RECEIVED

JAN 2 7 2004 |

Form 3160-3

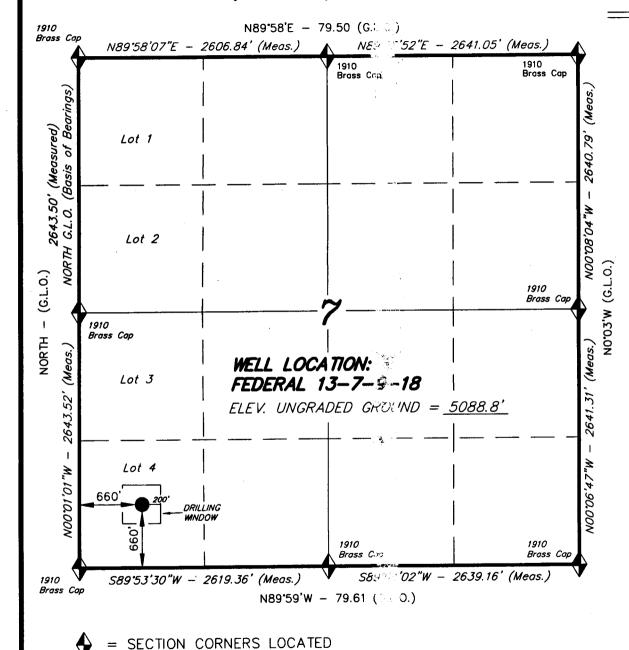
FORM APPROVED

(September 2001)	DIV OF OU		OMB No. Expires Janua		
UNITED STATES	J. W. Of OIL, GA	as & Mini	Expires Janua Company Compan		
DEPARTMENT OF THE IN			U-16540		
BUREAU OF LAND MANAC	JEMENT		6. If Indian, Allottee	ar Triba Nama	
APPLICATION FOR PERMIT TO DE	RILL OR REENTER		egi i	or Tribe Name	
			N/A		
la. Type of Work: DRILL REENTER	3		7. If Unit or CA Agree	ment, Name and No.	
Tall Appendix of the Manager of the	•		Eight Mile-NA		
	Vianta Distri		8. Lease Name and We		
1b. Type of Well: Oil Well Gas Well Other	Single Zone Multip	ole Zone	Federal 13-7-9	-18	
2. Name of Operator Inland Production Company	objection of the second of the		9. API Well No. 43-047-	35452	
3a. Address	3b. Phone No. (include area code)		10. Field and Pool, or E	xploratory	
Route #3 Box 3630, Myton UT 84052	(435) 646-3721		Eight Mile Flat		
4. Location of Well (Report location clearly and in accordance with	any State requirements.*)		11. Sec., T., R., M., or E	Blk. and Survey or Area	
4. Location of Well (Report location clearly and in accordance with At surface SW/SW 660' FSL 660' FWL 44325	17 Y 40,03495	•			
At proposed prod. zone 59021	7 × ·109 94252		SW/SW Sec. 7	, T9S R18E	
14. Distance in miles and direction from nearest town or post office*			12. County or Parish	13. State	
Approximatley 17.5 miles southeast of Myton, Utah			Uintah	UT	
15. Distance from proposed*	16. No. of Acres in lease	17. Spacin	ng Unit dedicated to this w	ell	
location to nearest property or lease line, ft.					
(Also to nearest drig. unit line, if any) Approx. 660' f/lse, NA f/unit	1356.44	:	Approx. 40 Acres		
18. Distance from proposed location*	19. Proposed Depth	20. BLM/I	BIA Bond No. on file		
to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1320'	6500'	44		4488944	
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will sta			of the other columns	
5089' GL	2nd Quarter 2004	.	Approximately seven (7) days in	om spud to rig release.	
	24. Attachments				
The following, completed in accordance with the requirements of Onsho	re Oil and Gas Order No.1, shall be att	tached to thi	s form:		
Well plat certified by a registered surveyor.	4 Bond to cover t	he oneratio	ns unless covered by an e	existing bond on file (see	
2. A Drilling Plan.	Item 20 above).	по орекано	no amena contra aj ma		
3. A Surface Use Plan (if the location is on National Forest System	Lands, the 5. Operator certific	ation.	5 2 1/ 1	to mentional becales	
SUPO shall be filed with the appropriate Forest Service Office).	6. Such other site authorized office		formation and/or plans as	may be required by the	
25. Signature	Name (Printed/Typed)		1	Date	
1/ lande vones	Mandie Crozier		1	1/20/04	
Title					
Regulatory Specialist	<u> </u>		1		
Approved by Aignature Title Regularbry Specialist Approved by Aignature Title	Name (Printed/Typed) BRADLEY G.	HILL		Date 0(-28-04	
Title Title	ENOTRONMENTAL SCII	ENTIST I	11		
		.1 1	111114	the applicant to conduct	
Application approval does not warrant or certify the the applicant holds operations thereon.	legal or equitable title to those rights in	ine subject	iease which would entitle	me appream to conduct	
Conditions of approval, if any, are attached.					
1.1					

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

^{*(}Instructions on reverse)

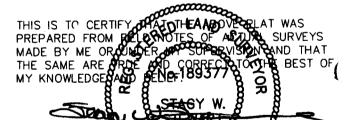
T9S, R18E, S.L.B.&M.



BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

INLAND PRODUCTION COMPANY

WELL LOCATION, FEDERAL 13-7-9-18, LOCATED AS SHOWN IN LOT 4 OF SECTION 7, T9S, R18E, S.L.B.&M. UINTAH COUNTY, UTAH.



TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

•	·
SCALE: 1" = 1000'	SURVEYED BY: G.S.
DATE: 10-8-03	DRAWN BY: J.R.S.
NOTES:	FILE #

INLAND PRODUCTION COMPANY FEDERAL #13-7-9-18 SW/SW SECTION 7, T9S, R18E UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

 Uinta
 0' – 1640'

 Green River
 1640'

 Wasatch
 5790'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 1640' - 6500' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. <u>MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:</u>

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 2000 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

INLAND PRODUCTION COMPANY FEDERAL #13-7-9-18 SW/SW SECTION 7, T9S, R18E UINTAH COUNTY, UTAH

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Inland Production Company well location site Federal #13-7-9-18 located in the SW 1/4 SW 1/4 Section 7, T9S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 - 11.7 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly - 3.6 miles \pm to it's junction with an existing road to the east; proceed northeasterly - 0.6 miles \pm to it's junction with the beginning of the proposed access road; proceed southerly along the proposed access road 200' \pm to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. WELL SITE LAYOUT

See attached Location Layout Diagram.

10. PLANS FOR RESTORATION OF SURFACE

Please refer to the Monument Butte Field SOP.

11. SURFACE OWNERSHIP - Bureau Of Land Management

12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #03-213, 1/20/04. Paleontological Resource Survey prepared by, Wade E. Miller, 11/21/03. See attached report cover pages, Exhibit "D".

Inland Production Company requests a 60' ROW for the Federal #13-7-9-18 to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Inland Production Company also requests a 60' ROW be granted for the Federal #13-7-9-18 to allow for construction of a 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

Please refer to the Monument Butte Field SOP.

Reserve Pit Liner

Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Shadscale Atriplex confertifolia 4 lbs/acre
Gardners Saltbush Atriplex corrugata 4 lbs/acre
Galleta Grass Hilaria jamesii 4 lbs/acre

Details of the On-Site Inspection

The proposed Federal #13-7-9-18 was on-sited on 8/21/03. The following were present; Brad Mecham (Inland Production), Byron Tolman (Bureau of Land Management), and a SWCA representative. Weather conditions were clear.

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION

Representative

Name: Brad Mecham

Address: Route #3 Box 3630 Myton, UT 84052 Telephone:

(435) 646-3721

Certification

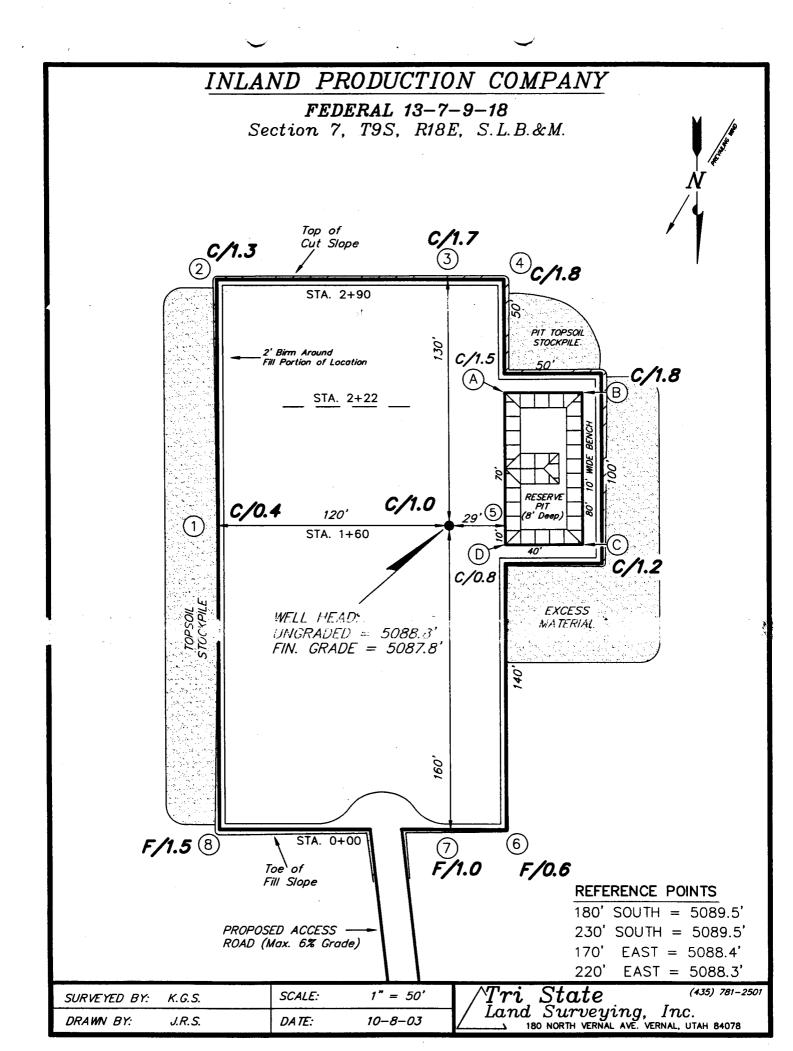
Please be advised that INLAND PRODUCTION COMPANY is considered to be the operator of well #13-7-9-18 SW/SW Section 7, Township 9S, Range 18E: Lease U-16540 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Inland Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date

Mandie Crozier

Regulatory Specialist

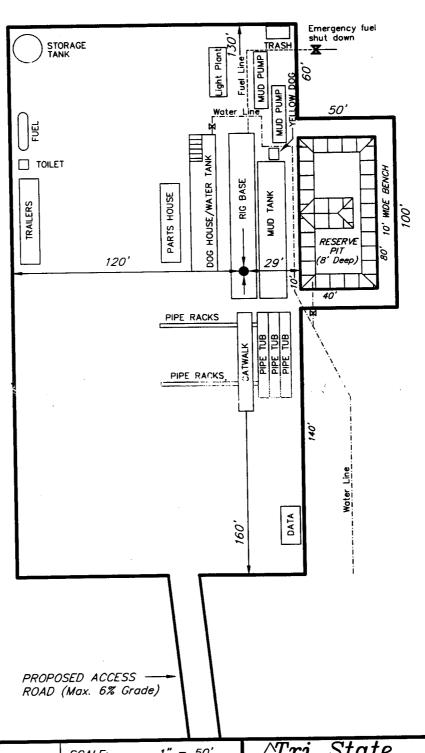


INLAND PRODUCTION COMPANY CROSS SECTIONS FEDERAL 13-7-9-18 20, 1'' = 50'STA. 2+90 20, STA. 2+22 1" = 50'**EXISTING** GRADE FINISHED GRADE 20, WELL HOLE , 11 1" = 50'STA. 1+60 20, 11 1" = 50'STA. 0+00 ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards) 6" TOPSOIL ITEM CUT FILL **EXCESS** PAD 650 650 Topsoil is NOTE: not included in Pad Cut UNLESS OTHERWISE NOTED PIT 640 0 640 ALL CUT/FILL SLOPES ARE **TOTALS** 1,290 650 890 640 AT 1.5:1 Tri State Land Surveying, Inc. 180 NORTH VERNAL AVE. VERNAL, UTAH 84078 (435) 781-2501 SCALE: 1'' = 50'SURVEYED BY: K. G. S. J.R.S. DATE: 10-8-03

DRAWN BY:

INLAND PRODUCTION COMPANY

TYPICAL RIG LAYOUT FEDERAL 13-7-9-18

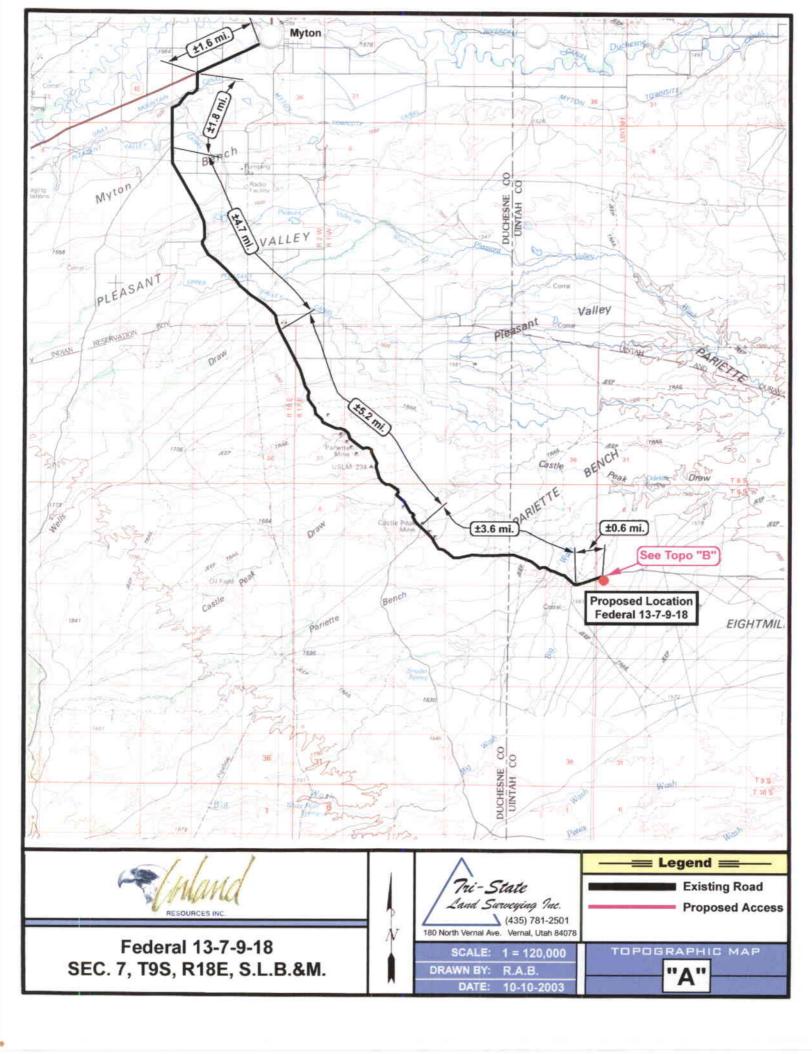


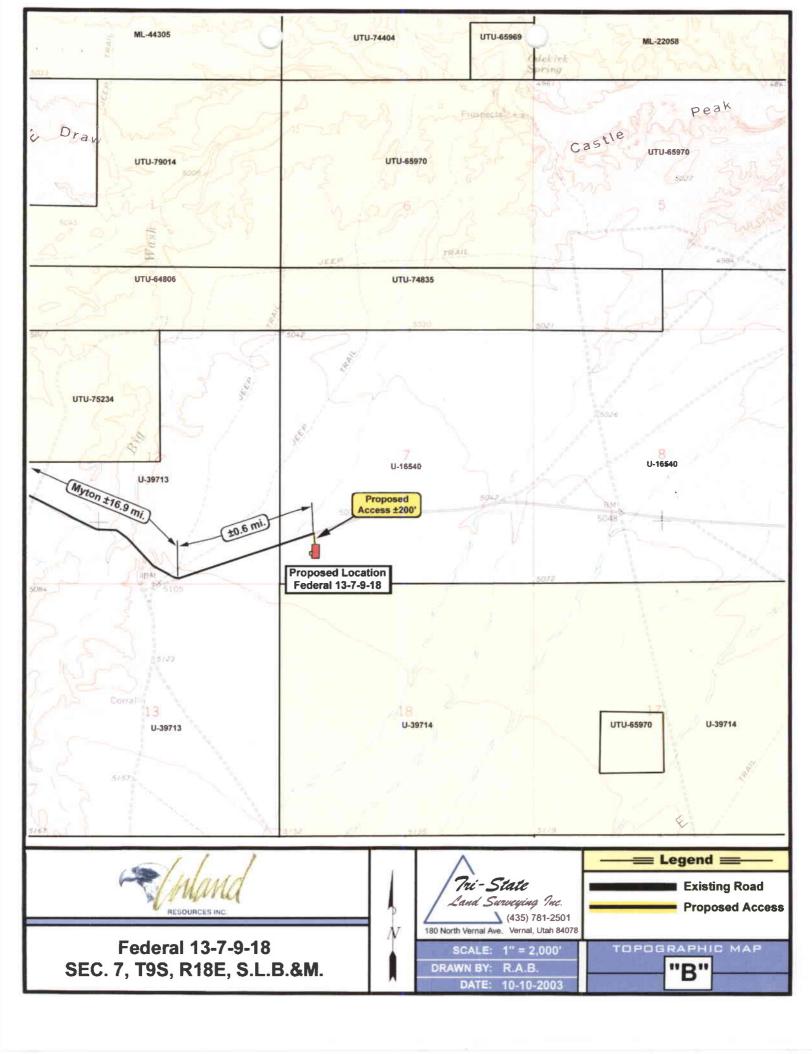
 SURVEYED BY:
 K.G.S.
 SCALE:
 1" = 50'

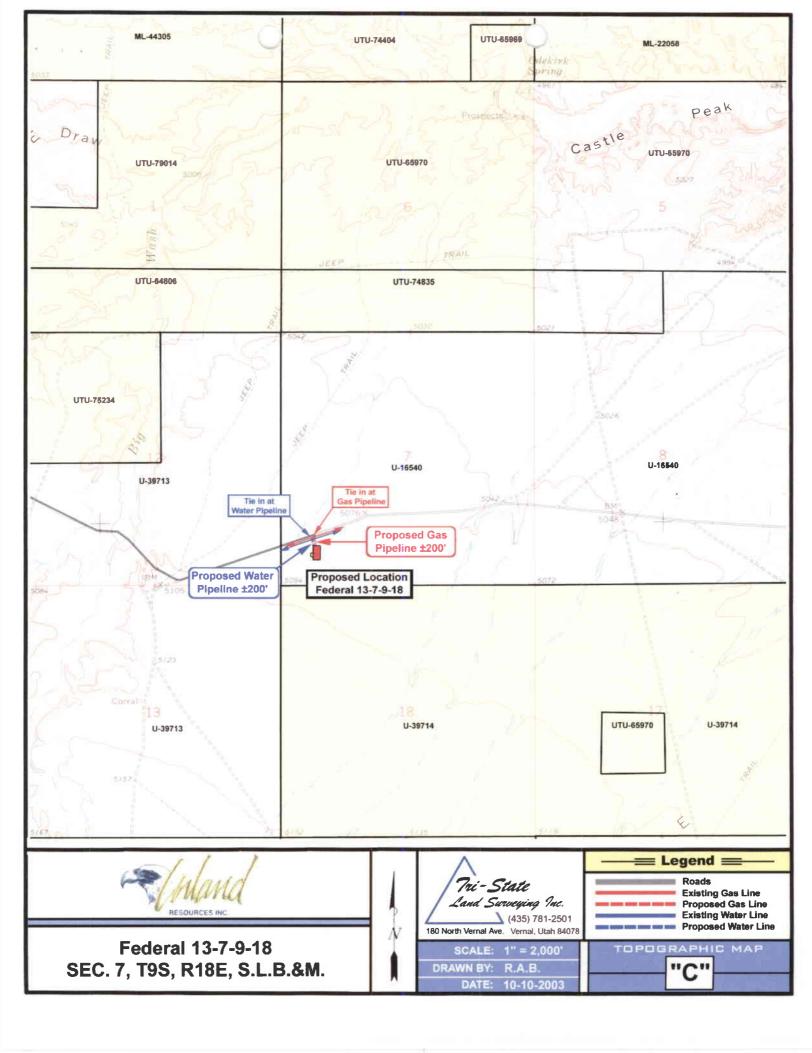
 DRAWN BY:
 J.R.S.
 DATE:
 10-8-03

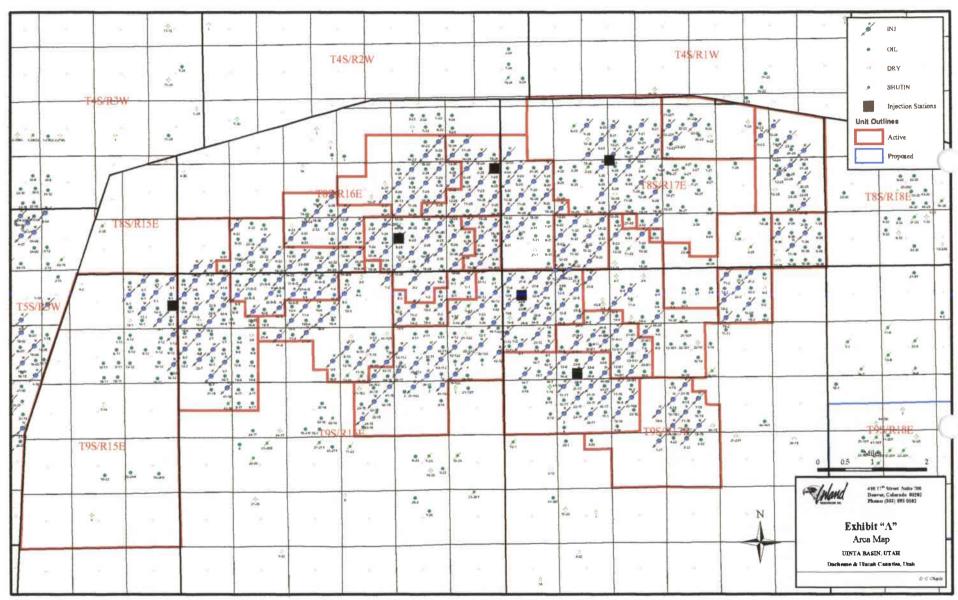
NTri State (435) 781-2501
Land Surveying, Inc.

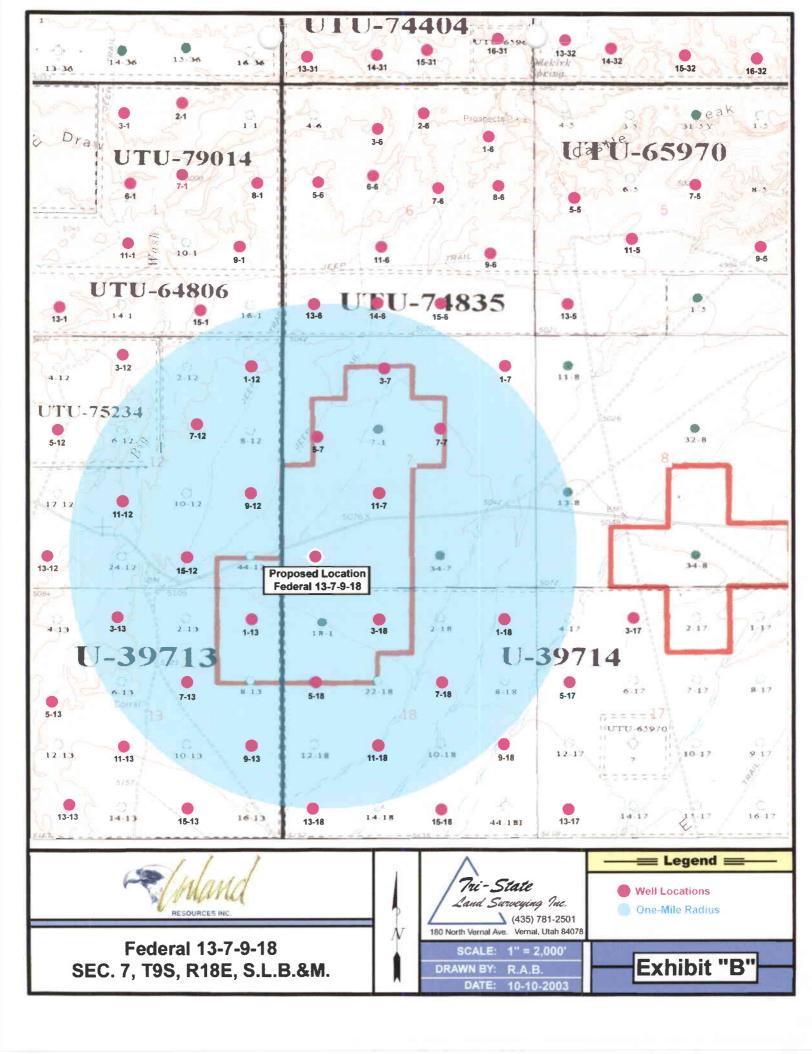
180 NORTH VERNAL AVE. VERNAL, UTAH 84078











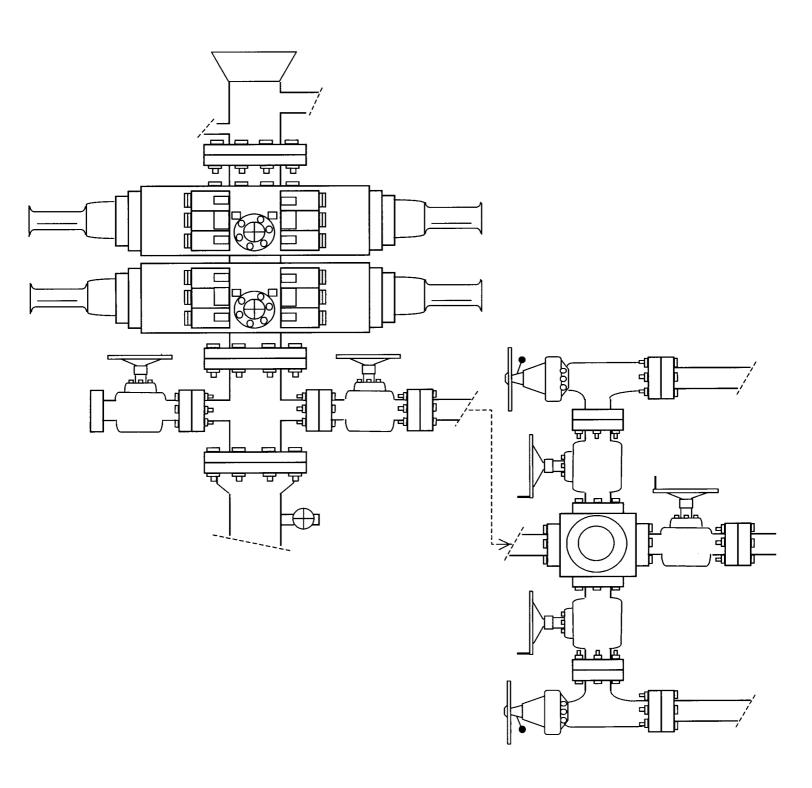


EXHIBIT C

Exhibit "D"

Page 160

CULTURAL RESOURCE INVENTORY OF INLAND PRODUCTION'S BLOCK PARCEL IN TOWNSHIP 9 SOUTH, RANGE 18 EAST, SECTION 7 IN UINTAH COUNTY, UTAH

by

Katie Simon and Keith R. Montgomery

Prepared For:

Bureau of Land Management Vernal Field Office

Prepared Under Contract With:

Inland Production Route 3 Box 3630 Myton, Utah 84052

Prepared By:

Montgomery Archaeological Consultants P.O. Box 147 Moab, Utah 84532

MOAC Report No. 03-213

January 20, 2004

United States Department of Interior (FLPMA)
Permit No. 03-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-04-MQ-0006,b

INLAND RESOURCES, INC.

PALEONTOLOGICAL FIELD SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, UINTAH COUNTY, UTAH

ADDENDUM OF SECTION 7, T 9 S, R 18 E TO REPORT OF:

Sections 3, 4, & 10, T 9 S, R 18 E; Section 7, T 9 S, R 19 E (dated November 15, 2003)

REPORT OF SURVEY

Prepared for:

Inland resources, Inc.

Prepared by:

Wade E. Miller Consulting Paleontologist November 21, 2003



January 26, 2004

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RECEIVED

JAN 2 7 2004

DIV. OF OIL, GAS & MINING

RE: Applications for Permit to Drill: Federal 1-7-9-18, 3-7-9-18, 5-7-9-18, 7-7-9-18, 11-7-9-18, and 13-7-9-18.

Dear Diana:

Enclosed find APD's on the above referenced wells. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier

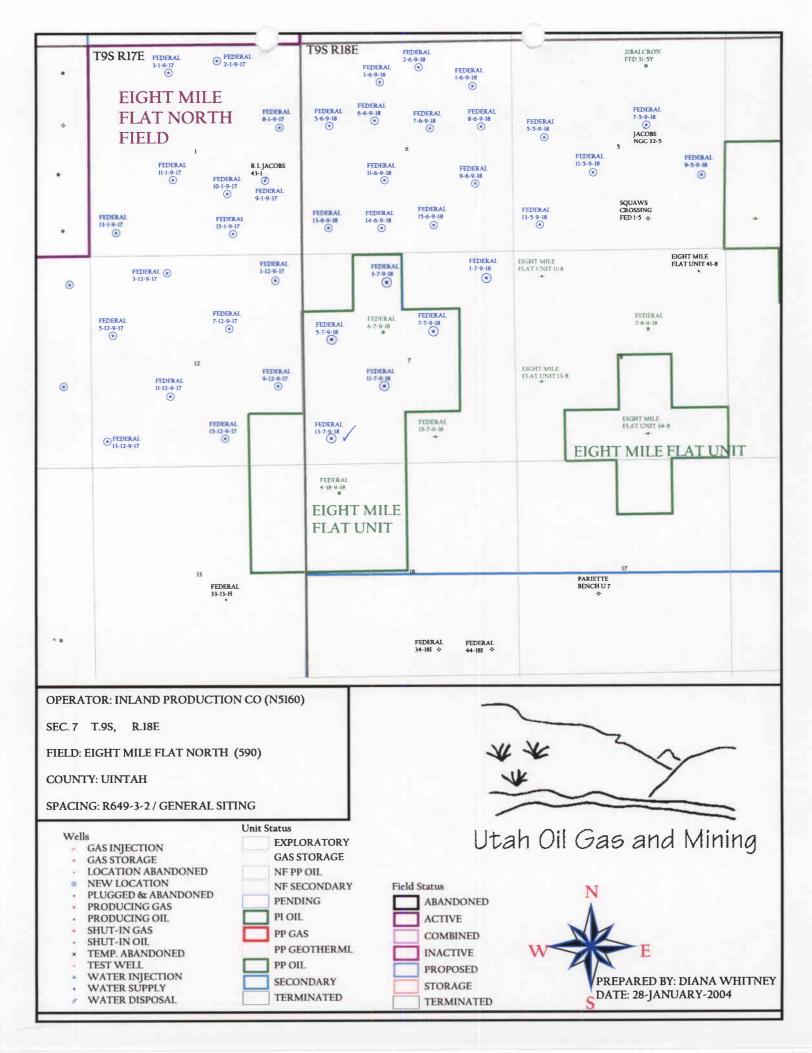
Regulatory Specialist

mc

enclosures

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/27/2004	API NO. ASSIGNE	ED: 43-047-3545	2
WELL NAME: FEDERAL 13-7-9-18 OPERATOR: INLAND PRODUCTION (N5160) CONTACT: MANDIE CROZIER	PHONE NUMBER: 4	35-646-3721	
PROPOSED LOCATION:	INSPECT LOCATN	BY: / /	
SWSW 07 090S 180E SURFACE: 0660 FSL 0660 FWL	Tech Review	Initials	Date
BOTTOM: 0660 FSL 0660 FWL UINTAH 8 MILE FLAT NORTH (590)	Engineering Geology		
LEASE TYPE: 1 - Federal LEASE NUMBER: U-16540 SURFACE OWNER: 1 - Federal	LATITUDE: 40.0		
PROPOSED FORMATION: GRRV	LONGITUDE: 109.	94252	
Plat Bond: Fed[1] Ind[] Sta[] Fee[] (No. 4488944) Potash (Y/N) N Oil Shale 190-5 (B) or 190-3 or 190-13 Water Permit (No. MUNICIPAL) AD RDCC Review (Y/N) (Date:) AR Fee Surf Agreement (Y/N)	R649-3-3. If Drilling Unit Board Cause Eff Date: Siting:	FLAT General rom Qtr/Qtr & 920': Exception it	
SUP, Superate file STIPULATIONS: 1- Cederal (Express) 2- Spacing Stiff	a ()		



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

January 28, 2004

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2004 Plan of Development Eight Mile Flat

Unit, Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2004 within the Eight Mile Flat Unit, Uintah County, Utah.

API # WELL NAME LOCATION

(Proposed PZ Green River)

43-047-35448 Federal 3-7-9-18 Sec 7 T09S R18E 0703 FNL 2104 FWL 43-047-35449 Federal 5-7-9-18 Sec 7 T09S R18E 2125 FNL 0745 FWL 43-047-35450 Federal 7-7-9-18 Sec 7 T09S R18E 1981 FNL 1981 FEL 43-047-35451 Federal 11-7-9-18 Sec 7 T09S R18E 1980 FSL 1977 FWL 43-047-35452 Federal 13-7-9-18 Sec 7 T09S R18E 0660 FSL 0660 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Eight Mile Flat Unit
 Division of Oil Gas and Mining
 Agr. Sec. Chron
 Fluid Chron

MCoulthard:mc:1-28-04



State of Utah

Department of Natural Resources

Division of Oil, Gas & Mining

ROBERT L. MORGAN Executive Director

LOWELL P. BRAXTON
Division Director

MICHAEL O. LEAVITT

Governor

OLENE S. WALKER Lieutenant Governor

January 28, 2004

Inland Production Company Rt. 3, Box 3630 Myton, UT 84052

Re: Federal 13-7-9-18 Well, 660' FSL, 660' FWL, SW SW, Sec. 7, T. 9 South, R. 18 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35452.

Sincerely

Associate Director

pab Enclosures

cc: Uintah County Assessor

Bureau of Land Management, Vernal District Office



Operator:	Inland Production Company		
Well Name & Number	Federal 13-7-9-18		
API Number:	43-047-35452		
Lease:	U-16540		
Location: SW SW	Sec. 7	T. <u>9 South</u>	R. 18 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.





Secretary of State

ARTICLES OF AMENDMENT TO THE ARTICLES OF INCORPORATION OF INLAND PRODUCTION COMPANY

In the Office of the Secretary of State of Texas

SEP 02 2004

Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 - Name

The name of the corporation is Inland Production Company.

ARTICLE 2 - Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE - The name of the corporation is Newfield Production Company."

ARTICLE 3 - Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

Susan G. Riggs, Treasurer



United States Department of the Interior



BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155 http://www.blm.gov

IN REPLY REFER TO: 3106 (UT-924)

September 16, 2004

Memorandum

To:

Vernal Field Office

From:

Acting Chief, Branch of Fluid Minerals

Subject:

Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Milas Llouter

Michael Coulthard Acting Chief, Branch of Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc:

MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225 State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114

Teresa Thompson Joe Incardine

Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
.*	16544	63073D	74108	76813	
	17036	63073E	74805	76954	62072V
	17424	63073O	74806	76956	63073X
	18048	64917	74807	77233	63098A
UTU-	18399	64379	74808	77234	68528A
	19267	64380	74389	77235	72086A 72613A
02458	26026A	64381	74390	77337	72013A 73520X
03563	30096	64805	74391	77338	73320X 74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	75025X 76189X
05843	33992	65207	74398	77359·	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553·	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013 [.]	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833 [,]	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
1056	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		

FORM 3160-5 (June 1990)

NITED STATES DEPARMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROV	E
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No. 1004-0135

ı	Budget Buleau No. 1004-015
	Expires: March 31, 1993
5.	Lease Designation and Serial No.

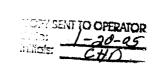
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	Λ	o
41	41	n
17	17	v

SUNDRY NOTICES AND REPORTS ON WELLS	UTU-16540
Do not use this form for proposals to drill or to deepen or reentry a different reservoir. Use "APPLICATION FOR PERMIT -" for such proposals	6. If Indian, Allottee or Tribe Name NA
SUBMIT IN TRIPLICATE 1. Type of Well	7. If Unit or CA, Agreement Designation N/A
X Oil Gas Well Other	8. Well Name and No. FEDERAL 13-7-9-18 9. API Well No.
2. Name of Operator INEWFIELD PRODUCTION COMPANY	43-047-35452 10. Field and Pool, or Exploratory Area EIGHT MILE FLAT NORTI
3. Address and Telephone No. Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721 4. Location of Well (Footage, Sec., T., R., m., or Survey Description) 660 FSL 660 FWL SW/SW Section 7, T9S R18E	11. County or Parish, State UINTAH COUNTY, UT.
CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA

12. CHECK APPROPRIATE BOX(s)	TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION		FACTION
X Notice of Intent Subsequent Report Final Abandonment Notice	Abandonment Recompletion Plugging Back Casing Repair Altering Casing X Other Permit Extension	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

Newfield Production Company requsts to extend the Permit to Drill this well for one year. The original approval date was 1/28/04 (expiration 1/28/05).

> Approved by the Utah Division of Oil, Gas and Mining



			The state of the s	
14. I hereby certify that the foregoing is true and correct Signed Mandie Crozier	Title	Regulatory Specialist	Date	1/12/2005
CC: UTAH DOGM				
(This space for Federal or State office use)			RECEI	VED
Approved by	Title			VLD
Conditions of approval, if any:			JAN 14	2005
CC: Utah DOGM				

^{13.} Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Application for Permit to Drill Request for Permit Extension Validation

(this form should accompany the Sundry Notice requesting permit extension)

API:

API: 43-047-35452 Well Name: Federal 13-7-9-18 Location: SW/SW Section 7, T9S R18E Company Permit Issued to: Newfield Production Company Date Original Permit Issued: 1/28/2004
The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.
Following is a checklist of some items related to the application, which should be verified.
If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes □ No □ ∩ ∩
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes□No□
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes□No□
Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes□Nov□
Has the approved source of water for drilling changed? Yes□NoT
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes□No⊋
Is bonding still in place, which covers this proposed well? Yes No□
Signature Date
Signature Date
Title: Regulatory Specialist
Representing: Newfield Production Company





BLM VERNAL, UTAH

(September 2001)]	OMB No. 100 Expires January	14-0136	
UNITED STATES DEPARTMENT OF THE IN BUREAU OF LAND MANAG			5. Lease Serial No. U-16540	· · · · · · · · · · · · · · · · · · ·	
APPLICATION FOR PERMIT TO DR			6. If Indian, Allottee or N/A	Tribe Name	
la. Type of Work: DRILL REENTER			7. If Unit or CA Agreeme	nt, Name and No.	
lb. Type of Well: 🔼 Oil Well 🚨 Gas Well 🚨 Other	Single Zone Multi	ple Zone	8. Lease Name and Well Federal 13-7-9-18		
2. Name of Operator Size Id Production Company			9. API Well No. 43:047,2	5452	
3a. Address	3b. Phone No. (include area code)		10. Field and Pool, or Expl	oratory.	
Route #3 Box 3630, Myton UT 84052	(435) 646-3721		Eight Mile Flat		
4. Location of Well (Report location clearly and in accordance with a	any State requirements.*)		11. Sec., T., R., M., or Blk	and Survey or Area	
At surface SW/SW 660' FSL 660' FWL At proposed prod. zone	Tep.		SW/SW Sec. 7, T	9S R18E	
14. Distance in miles and direction from nearest town or post office*			12. County or Parish	13. State	
Approximatley 17.5 miles southeast of Myton, Utah			Uintah	UT	
 Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig, unit line, if any) Approx. 660' t/lse, NA t/unit 	16. No. of Acres in lease	17. Spacin	g Unit dedicated to this well Approx. 40 Acres		
18. Distance from proposed location*	19. Proposed Depth	20. BLM/E	1/BIA Bond No. on file		
to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1320'	6500'	#4	44488944 UTOO56		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approximate date work will sta	ert*	23. Estimated duration		
5089' GL	2nd Quarter 2004	-	Approximately seven (7) days from spud to rig release.		
The following, completed in accordance with the requirements of Onshor	24. Attachments				
 Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office). 	4. Bond to cover t Item 20 above). 5. Operator certific	he operation cation. specific info	ns unless covered by an existence of the control of		
25. Signature Mandie horjes	Name (Printed/Typed) Mandie Crozier	JAN	3 1 2005	1/26/04	
Title Regulatory Specialist	,	ni Ny az-M	L, GAS & MINING +		
Appropriate (Signapare)	Name (Printed/Typed)	~!+- 	LI CAO O IVIIIVIIVO I DA	27/2005	
Title Assistant Field Manager	Office		/		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Conditions of approval, if any, are attached.

NOTICE OF APPROVAL



COAs Page 1 of 2 Well No.: Federal 13-7-9-18

CONDITIONS OF APPROVAL APPLICATION FOR PERMIT TO DRILL

Company/Operator:	Newfield Production Company
Well Name & Number:	Federal 13-7-9-18
API Number:	43-047-35452
Lease Number:	U-16540
Location: <u>SWSW</u>	Sec. 7 T. 9S R. 18E
Agreement:	N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

Please submit to this office, in LAS format, an electronic copy of all logs run on this well. This submission will replace the requirement for submittal of paper logs to the BLM.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman

(435) 828-7874

Petroleum Engineer

Kirk Fleetwood

(435) 828-7875

Petroleum Engineer

BLM FAX Machine (435) 781-4410

COAs Page 2 of 2 Well No.: Federal 13-7-9-18

SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

No construction or drilling shall be allowed during the burrowing owl nesting season (April 1 to Aug. 15), without first consulting the BLM biologist. If no nesting owls are found, drilling will be allowed.

-Mountain Plover surveys will have to be conducted in accordance with the U.S. Fish and Wildlife Service Mountain Plover Survey Guidelines.

-To reduce noise levels in the area, a hospital muffler or multi-cylinder engine shall be installed on the pumping unit.

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

008

Change of Operator (Well Sold)

1. GLH

1. GLH 2. CDW 3. FILE

Designation of Agent/Operator

X Operator Name Change

Merger

FROM: (Old Operator)										
FROM: (Old Operator):				TO: (New Operator):						
N5160-Inland Production Company				N2695-Newfield Production Company						
Route 3 Box 3630				Route 3 Box 3630						
Myton, UT 84052				Myton, UT 84052						
Phone: 1-(435) 646-3721				Phone: 1-(435)	646-3721	3.				
CA	No.			Unit:					7	
WELL(S)									1	
NAME	SEC	TWN	RNG	API NO		LEASE	WELL	WELL	٦	
					NO	TYPE	TYPE	STATUS	4	
FEDERAL 13-1-9-17	01			4304735181		Federal	OW	P	<u> I</u>	
FEDERAL 15-1-9-17	01			4304735182		Federal	OW	P	I	
FEDERAL 3-11-9-17	11			4304735295	14258	Federal	OW	P]	
FEDERAL 5-5-9-18	05			4304735290		Federal	OW	NEW]	
FEDERAL 7-5-9-18	05			4304735291		Federal	ow	APD	I	
FEDERAL 9-5-9-18	05	090S	180E	4304735292	14554	Federal	ow	DRL	I	
FEDERAL 11-5-9-18	05	090S	180E	4304735293		Federal	ow	APD	Ī	
FEDERAL 13-5-9-18	05	090S	180E	4304735294		Federal	OW	APD	ŀ	
FEDERAL 9-6-9-18	06	090S	180E	4304735183	14153	Federal	ow	P	ŀ	
FEDERAL 11-6-9-18	06	090S	180E	4304735184	14127	Federal	ow	P	ŀ	
FEDERAL 15-6-9-18	06	090S	180E	4304735185	14120	Federal	ow	Р	ŀ	
FEDERAL 1-6-9-18	06	090S	180E	4304735296		Federal	ow	NEW	Ī	
FEDERAL 1-7-9-18	07	090S	180E	4304735447		Federal	ow	APD	k	
FEDERAL 3-7-9-18	07	090S	180E	4304735448		Federal	OW	APD	k	
FEDERAL 5-7-9-18	07	090S	180E	4304735449	-	Federal	ow	APD	Ī	
FEDERAL 7-7-9-18	07	090S	180E	4304735450		Federal	ow	APD	ŀ	
FEDERAL 11-7-9-18	07	090S	180E	4304735451		Federal	ow	APD	F	
FEDERAL 13-7-9-18	07			4304735452		Federal	ow	APD	F	
FEDERAL 10-7-9-18	07	090S	180E	4304735453		Federal	ow	APD	Ī	
FEDERAL 14-7-9-18	07	090S	180E	4304735454		Federal	ow	APD	Ī	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

(R649-8-10) Sundry or legal documentation was received from the FORMER operator on:
 (R649-8-10) Sundry or legal documentation was received from the NEW operator on:
 9/15/2004

3. The new company was checked on the Department of Commerce, Division of Corporations Database on:

2/23/2005

4. Is the new operator registered in the State of Utah:

YES Business Number:

755627-0143

5. If NO, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on:	IN PLACE
6b. Inspections of LA PA state/fee well sites complete on:	waived
 Federal and Indian Lease Wells: The BLM and or the or operator change for all wells listed on Federal or Indian lease 	
8. Federal and Indian Units: The BLM or BIA has approved the successor of unit operator	r for wells listed on:n/a
 Federal and Indian Communization Agreements The BLM or BIA has approved the operator for all wells listed 	
10. Underground Injection Control ("UIC") The Inject, for the enhanced/secondary recovery unit/project for the	Division has approved UIC Form 5, Transfer of Authority to e water disposal well(s) listed on: 2/23/2005
DATA ENTRY:	
1. Changes entered in the Oil and Gas Database on:	2/28/2005
2. Changes have been entered on the Monthly Operator Change	e Spread Sheet on: 2/28/2005
3. Bond information entered in RBDMS on:	2/28/2005
4. Fee/State wells attached to bond in RBDMS on:	2/28/2005
5. Injection Projects to new operator in RBDMS on:	2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New or	n: waived
FEDERAL WELL(S) BOND VERIFICATION:	
Federal well(s) covered by Bond Number:	UT 0056
INDIAN WELL(S) BOND VERIFICATION: 1. Indian well(s) covered by Bond Number:	61BSBDH2912
FEE & STATE WELL(S) BOND VERIFICATION:	
1. (R649-3-1) The NEW operator of any fee well(s) listed covered	ed by Bond Number 61BSBDH2919
The FORMER operator has requested a release of liability from The Division sent response by letter on:	m their bond on:n/a* n/a
LEASE INTEREST OWNER NOTIFICATION:	
(R649-2-10) The FORMER operator of the fee wells has been of their responsibility to notify all interest owners of this chang	
COMMENTS:	
*Bond rider changed operator name from Inland Production Comp	pany to Newfield Production Company - received 2/23/05

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Cor	npany:	<u>NEWFII</u>	ELD PI	RODUCTIO	N COMPANY	
Well Name:		FEDER	AL 13-7	7-9-18		
Api No <u>:</u>	43-047-354	52	Le	ase Type:	FEDERAL	
Section <u>07</u>	_Township_	09S Range_	_18E	_County	UINTAH	
Drilling Con	tractor	NDSI		RIG	#NS#1	
SPUDDE	D:					
	Date	06/06/05				
	Time	8:00 AM				
	How	DRY				
Drilling wi	ill Commei	nce:				
Reported by		FLOYD MI	<u> TCHEI</u>	LL		
Telephone#		1-435-823-3	610			
Date 0	6/06/2005	Signed		CHD		

ISION OF OIL, GAS AND MINING ITITY ACTION FORM -FOR			RATOR: NEWFIELD PRODUCTION COMPANY DRESS: RT. 3 BOX 3639 MYYON, UT 24952				OPERATOR ACCT, NO. N2895			
TION CURRENT HEW DOE CHITTYNO, ENTITYNO,	API HUMBER	WEILHAME	on I		WELL 1	OCATION		SPUD	EFFECTIVE	
B - 99999 11492	43-013-32683			<u>\$C</u>		NG	COUNTY	DATE	DATE	
LICOMMENTS: CRRU	40-013-02063	Jonah Federal 9-15-9-16	NE/SE	15	98	16E	Duchesne	6/01/2005	6/9/05	
TON CURRENT NEW	APINUMBER									
DOE ENTITY NO. ENTITY NO.	Arthuiper	WELL HAME	90	- 44 - 49C	TP TP	RG	COUNTY	SFUD DATE	EFFECTIVE DATE	
A 99999 /4754	43-013-32460	Ashley Federal 8-13-9-15	SENE	13	98	15E	Duchesne	6/02/2005	6/9/05	
IL 2 COMMENTS: GRAU		e e e e e e e e e e e e e e e e e e e	· **						-	
TON CURRENT NEW 100 SHITIYNO ENTITYNO	API NUMBER	WELLMANE				OCATION		SPUD	EFFECTIVE	
B 99999 12391	43-013-32628	Greater Boundary Fed 15-34-8-17	SW/SE	<u>ac</u> 34	BS	17E	Duchesne	6/03/2005	6/9/05	
CURSENT MEN										
CE ENTITY NO. SHETTY NO.	API NUMBER	WELLINNE	00	sc sc	WELLL	RG	COUNTY	SPVD DATE	EFFECTIVE DATE	
A 99999 14755	43-047-35452	Federal 13-7-9-18	SWEW	7	98	18E	Viotala	6/06/2005	6/9/05	
14 COMMENTS GRAU			•						_	
CURRENT NEW DE ENTITY NO. ENTITY NO.	APIAUMBER	INETT, NV INE	90			CATION		SPUD	EFFECTIVE	
				SC	TP	RG	COUNTY	QATE	STAU	
			<u> 1 1 </u>			<u> </u>	L			
.LS COMMENTS:							,			
TOM CODES (See instructions on back of fe ma)							1/.11	• • • • • • • • • • • • • • • • • • • •	0 4	
ION CODES (See instructions on hade of fem) A - Establish are willy fer natural (single-wet on B - "Add natural to zaking actly (group or unit on C - Re-esage well from one cataling actly to another	reli) ther existing actify						AND I	e.S.Smi	A Kebbie S. J	
ILLS COMMENTS: HON CODES (See instructions on back of ferm) A- Establishmen willy see nearwel (alighe bar) or BAstinan well to middle actiny (group or unit or C- Re-assign well from one cataling artly to an unit E- Ciber (explains a coronnets seefice) E- Use COMMENT seeling to applicatively each Act	nd) theresisting acidy westity	RECEI	/ED				Signature Signature Preduction Clerk	e.S.Smi	A Kebbie S. J. Jame 6, 2005 Oate	

DIV. OF OIL, GAS & MINING

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires January 31,2004

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.					UTU16540 6. If Indian, Allottee or Tribe Name.		
			Company Constitution	7. If Unit or CA/A	greement, Name and/or No.		
1. Type of Well	O ther			8. Well Name and	No.		
Coll Well Gas Well 2. Name of Operator	Other			FEDERAL 13-7			
Newfield Production Company				9. API Well No.			
3a. Address Route 3 Box 3630		3b. Phone No. (include at	re code)	4304735452			
Myton, UT 84052	T. D. 14 Current Description	435.646.3721		Monument Butte	, or Exploratory Area		
4. Location of Well (Footage, Sec 660 FSL 660 FWL	., I., R., M., or Survey Description	y		11. County or Par	ish, State		
SW/SW Section 7 T9S R18	E			Uintah,UT			
12. CHECK	APPROPRIATE BOX(ES	3) TO INIDICATE N	ATURE O	F NOTICE, OR OT	HER DATA		
TYPE OF SUBMISSION			PE OF ACT				
Notice of Intent Subsequent Report Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans Convert to Injector	Deepen Fracture Treat New Construction Plug & Abandon Plug Back	Rec	duction(Start/Resume) lamation omplete aporarily Abandon er Disposal	Water Shut-Off Well Integrity Other Spud Notice		
csgn. Set @ 309.01/ KB 0	NS # 1.Spud well @ 8:00 Al On 6/7/2005 cement with 16 turned 7 bbls cement to pit.	50 sks of class "G" w	' hole with ' 3% CaCL	air mist. TIH W/ 7 Ji 2 + 1/4# sk Cello- F	l's 8 5/8" J-55 24 # Flake Mixed @ 15.8		
I hereby certify that the foregoing Name (Printed/ Typed)	is true and correct	Title Drilling Super	risor				
Floyd Mitchell		Date Date					
Signaturated	there	06/07/2005					
		je napakta Gie	0,810.0	an Circusters			
		Titl	t e teletore e e e e e e e e e e e e e e e e e e		ate		
Approved by Conditions of approval, if any, are attaccertify that the applicant holds legal or which would entitle the applicant to contain the applicant the ap	equitable title to those rights in the sub	warrant or		, , , , , , , , , , , , , , , , , , ,			
Title 18 U.S.C. Section 1001 and Title States any false, fictitious and fraudule:	43 U.S.C. Section 1212, make it a crim	ne for any person knowingly a ny matter within its jurisdiction	nd willfully to:	make to any department of a	gestey of the United		

JUN 1 3 2005 TO SERVE COSSIONERS

NEWFILD PRODUCTIC COMPANY - CASING & CEMENT R ORT

			8 5/8	CASING SET	AT	309.01			
		SET A	T 30 <u>9.01'</u>	·			Newfield F		ompany
DATUM					WELL				
DATUM TO C		· · ·				-			
_		AD FLANGE			CONTRACT	OR & RIG #		NDSI NS #1	
TD DRILLER	310'	LOGGE	R						
HOLE SIZE	12 1/4	<u> </u>							
LOG OF CAS	SING STRIN	G:						1	
PIECES	OD	ITEM - N	MAKE - DESCF	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH
		Shoe	Joint 40.60'				,		
		WHI - 92 csg	head				8rd	Α	0.95
7	8 5/8"	Maverick ST	&C csg		24#	J-55	8rd	Α	297.16
			GUIDE	shoe			8rd	Α	0.9
CASING INV	ENTORY B	AL.	FEET	JTS	TOTAL LEN	IGTH OF ST	RING		299.01
TOTAL LENG	GTH OF ST	RING	299.01	7	LESS CUT OFF PIECE				2
LESS NON C	CSG. ITEMS		1.85		PLUS DATI	JM TO T/CU	T OFF CSG		12
PLUS FULL	JTS. LEFT (DUT	0		CASING SE	T DEPTH			309.01
	TOTAL		297.16	7	<u> </u>				
TOTAL CSG	. DEL. (W/O	THRDS)	297.16	7		RE			
TIMING			1ST STAGE						
BEGIN RUN	CSG.	Spud	6/6/2005	8:00 AM	GOOD CIR	C THRU JOI	В	Yes	
CSG. IN HO	LE		6/6/2005	5:00 PM	Bbls CMT C	CIRC TO SUI	RFACE	7	
BEGIN CIRC	>		6/7/2005	10:17 AM	RECIPROC	ATED PIPE	FOR	_N/A	
BEGIN PUM	P CMT		6/7/2005	10:30 AM	_				
BEGIN DSP	L. CMT		6/7/2005	10:41 AM	BUMPED P	LUG TO _		519	PSI
PLUG DOW	N		6/7/2005	10:49 AM					
CEMENT US	SED			CEMENT CO	MPANY-	B. J.			
STAGE	# SX			CEMENT TY	PE & ADDITI	VES			
1	160	Class "G" w	/ 2% CaCL2 +	1/4#/sk Cello-	Flake mixed (@ 15.8 ppg 1	1.17 cf/sk yie	ld	
CENTRALIZ	ER & SCRA	TCHER PLA	CEMENT			SHOW MA	KE & SPAC	NG	
			ond & third fo	r 3					
303									

DATE 6/7/2005

COMPANY REPRESENTATIVE Floyd Mitchell

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004
ease Serial No.

	BUREAU OF LAND MANAGI				pires January 31,2004
	·			5. Lease Serial N	0.
Do not use t	(NOTICES AND REPORT his form for proposals to di	rill or to re-enter a	n	UTU16540	tee or Tribe Name.
abandoned w	ell. Use Form 3160-3 (APD)	for such proposa	is.	o. If Indian, Allot	tee of Tribe Name.
SUBVITINT	RIPINGANE COMERNIA	Ministra leverse	ndeže i i jak	7. If Unit or CA/A	Agreement, Name and/or No.
	Other			8. Well Name and	1 No.
2. Name of Operator				FEDERAL 13-7	
Newfield Production Company				9. API Well No.	
3a. Address Route 3 Box 3630	i	b. Phone No. (include a	re code)	4304735452	1 T1 A
Myton, UT 84052 4 Location of Well (Footage Sec	., T., R., M., or Survey Description)	35.646.3721		Monument Butt	l, or Exploratory Area e
660 FSL 660 FWL	., 1., 1a, m., or our vey bescription			11. County or Par	ish, State
SW/SW Section 7 T9S R18	E			Uintah,UT	•
				Olitari, O 1	······
12. CHECK	APPROPRIATE BOX(ES)	TO INIDICATE N	ATURE OF N	OTICE, OR OT	HER DATA
TYPE OF SUBMISSION		TY	PE OF ACTION		
_	Acidize [Deepen	Production	n(Start/Resume)	☐ Water Shut-Off
Notice of Intent	Alter Casing	Fracture Treat	Reclamati	on	Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomple	te	X Other
— · · · · · · · · · · · · · · · · · · ·	Change Plans	Plug & Abandon	Temporar	ily Abandon	Weekly Status Report
Final Abandonment Notice	Convert to Injector	Plug Back	Water Dis	posal	
Test 8.625 csgn to 1,500 p Drill out cement & shoe. Dr Dig/SP/GR log's TD to surf / KB. Cement with 350sks	rson Rig # 155. Set all equipm isi. Vernal BLM field, & Roose rill a 7.875 hole with fresh warface. PU & TIH with Guide shocement mixed @ 11.0 ppg & Nipple down Bop's. Drop sli	evelt DOGM office value to a depth of 584 oe, shoe jt, float col 3.43 yld. The 450 s	vas notifed of te 45'. Lay down di lar, 138 jt's of 5 ks cement mixe	st. PU BHA and rill string & BHA .5 J-55, 15.5# c d @ 14.4 ppg 8	d tag cement @ 270'. a. Open hole log w/ sgn. Set @ 5831.30' å 1.24 yld. With 5
				· · · · · · · · · · · · · · · · · · ·	
I hereby certify that the foregoing i Name (Printed/Typed) Justin Crum	s true and correct	Title Drilling Forem	an .		
Signature Kit hie	Chune	Date 06/16/2005			
ACCEPTAGE TO SE	THIS SPACE FOR	FEDERAL ORS	TAILE OF HE	E USE	。 [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]
Approved by	_	Title	;	Da	te
	hed. Approval of this notice does not wa		•	•	
which would entitle the applicant to con					Cab I Valed
Title 18 U.S.C. Section 1001 and Title 4	13 U.S.C. Section 1212, make it a crime f	or any person knowingly ar	d willfully to make to	any genarance of a	ency of the United

(Instructions on reverse)

JUN 2 0 2005

NEWFIELD PRODUC ON COMPANY - CASING & CEMI_T REPORT

			5 1/2"	CASING SET	AT	5831.3	_		
					Fit clir @				
LAST CASIN	NG <u>8 5/8"</u>	SET	AT 3 <u>09.01'</u>		OPERATOR	₹	Newfield F	Production C	ompany
DATUM	12' KB				WELL	Federal 13	3-7-9-18		
DATUM TO	CUT OFF C	ASING _	12'		FIELD/PRO	SPECT	Monumen	t Butte	
DATUM TO	BRADENHE	AD FLANGE			CONTRACT	OR & RIG#		Patterson 1	55
TD DRILLER	5845'	LOGG	ER					-	
HOLE SIZE	7 7/8"			-					
LOG OF CA	SING STRIN	IG:							
PIECES	OD	ITEM -	MAKE - DESC	RIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt							14
		Short jt	3930' (5.90')						
137	5 1/2"	ETC LT & C	casing		15.5#	J-55	8rd	Α	5775.62
		Float collar							0.6
1	5 1/2"	ETC LT&C			15.5#	J-55	8rd	Α	42.43
	<u></u>		GUIDE	shoe			8rd	Α	0.65
CASING INV	ENTORY B	AL.	FEET	JTS	TOTAL LEN	GTH OF ST	RING		5833.3
TOTAL LEN	NGTH OF STRING 5833.3 138		138	LESS CUT	OFF PIECE		L	14	
LESS NON (CSG. ITEMS		15.25		PLUS DATU	IM TO T/CUT	OFF CSG		12
PLUS FULL	JTS. LEFT (DUT	127.52	3	CASING SE	T DEPTH			5831.3
	TOTAL		5945.57	141	h				-
TOTAL CSG	. DEL. (W/O	THRDS)	5945.57	141	COMPAR	RE			
TIMING		·	1ST STAGE	2nd STAGE					
BEGIN RUN	CSG.				GOOD CIRC	THRU JOB			
CSG. IN HOI	<u>.E</u>				Bbls CMT C	IRC TO SUR	FACE		
BEGIN CIRC					RECIPROCA	ATED PIPE F	OR	THRUSTROK	<u>E_</u>
BEGIN PUM	P CMT				DID BACK P	RES. VALVE	EHOLD? _		
BEGIN DSPL	CMT				BUMPED PL	LUG TO			PSI
PLUG DOW	١								
CEMENT US	ED			CEMENT CO	MPANY-	B. J.			
STAGE	# SX			CEMENT TYP	E & ADDITIV	ES			
1		Premlite II w	/ 10% gel + 3 °	% KCL, 3#'s /s	k CSE + 2# s	k/kolseal + 1	/4#'s/sk Cell	Flake	
		mixed @ 11	.0 ppg W / 3.43	3 cf/sk yield					
2		50/50 poz V	V/ 2% Gel + 3%	KCL, .5%EC1	,1/4# sk C.F.	2% gel. 3%	SM mixed @	14.4 ppg W/	1.24 YLD
CENTRALIZ	ER & SCRAT	CHER PLAC	CEMENT			SHOW MAK	E & SPACIN	G	
Centralizers	- Middle fii	st, top seco	ond & third. Th	en every third	d collar for a	total of 20.			
			···						
						•			
								 -	

COMPANY REPRESENTATIVE _____

JUN 2 0 2005

BECEIVE DATE

Entity Form 6
"C" Change from one existing entity to another existing entity

API	Well	Sec	Twsp	Rng	Entity	Entity Eff Date
4304734937	FEDERAL 14-6-9-18	06	090S	180E	14064 to 14844	9/20/2005
4304735183	FEDERAL 9-6-9-18	06	090S	180E	14153 to 14844	9/20/2005
4304735184	FEDERAL 11-6-9-18	06	090S	180E	14127 to 14844	9/20/2005
4304735185	FEDERAL 15-6-9-18	06	090S	180E	14120 to 14844	9/20/2005
4304735751	FEDERAL 16-6-9-18	06	090S	180E	14623 to 14844	9/20/2005
4304735752	FEDERAL 12-6-9-18	06	090S	180E	14649 to 14844	9/20/2005
4304735753	FEDERAL 10-6-9-18	06	090S	180E	14622 to 14844	9/20/2005
4304731126	FEDERAL 6-7-9-18	07	090S	180E	14599 to 14844	9/20/2005
4304731202	FEDERAL 15-7-9-18	07	090S	180E	564 to 14844	9/20/2005
4304735448	FEDERAL 3-7-9-18	07	090S	180E	14661 to 14844	9/20/2005
4304735449	FEDERAL 5-7-9-18	07	090S	180E	14662 to 14844	9/20/2005
4304735451	FEDERAL 11-7-9-18	07	090S	180E	14768 to 14844	9/20/2005
4304735452	FEDERAL 13-7-9-18	07	090S	180E	14755 to 14844	9/20/2005
4304735454	FEDERAL 14-7-9-18	07	090S	180E	14767 to 14844	9/20/2005
4304735503	FEDERAL 12-7-9-18	07	090S	180E	14663 to 14844	9/20/2005
4304731274	FEDERAL 7-8-9-18	08	090S	180E	554 to 14844	9/20/2005
4304731545	FEDERAL 4-8-9-18	08	090S	180E	10275 to 14844	9/20/2005
4304731546	FEDERAL 12-8-9-18	08	090S	180E	10975 to 14844	9/20/2005
4304731547	FEDERAL 15-8-9-18	08	090S	180E	10972 to 14844	9/20/2005
4304735811	STATE 1-16-9-18	16	090S	180E	14390 to 14844	9/20/2005
4304735813	STATE 3-16-9-18	16	090S	180E	14565 to 14844	9/20/2005
4304735819	STATE 9-16-9-18	16	090S	180E	14566 to 14844	9/20/2005
4304735822	STATE 11-16-9-18	16	090S	180E	14577 to 14844	9/20/2005
4304731142	FEDERAL 4-18-9-18	18	090S	180E	14600 to 14844	9/20/2005



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155 Salt Lake City, UT 84145-0155



IN REPLY REFER TO 3180 UT-922

June 30, 2005

Newfield Production Company Attn: Kelly L. Donohoue 1401 Seventeenth Street, Suite 1000 Denver, Colorado 80202

Gentlemen:

The Sundance (Green River) Unit Agreement, Uintah County, Utah, was approved June 30, 2005. This agreement has been designated No. UTU82472X, and is effective July 1, 2005. The unit area embraces 11,143.86 acres, more or less.

Pursuant to regulations issued and effective June 17, 1988, all operations within the Sundance (Green River) Unit will be covered by your nationwide (Utah) oil and gas bond No. 0056.

The following leases embrace lands included within the unit area:

UTU0075174	UTU39713	UTU65970*	UTU79013*
UTU16539*	UTU39714	UTU74404	UTU79014*
UTU16540	UTU44429	UTU74835	UTU80915
UTU17424*	UTU64806*	UTU74872*	UTU82205
UTU18043	UTU65969	UTU75234	

* Indicates lease to be considered for segregation by the Bureau of Land Management pursuant to Section 18 (g) of the unit agreement and Public Law 86-705.

All lands and interests by State of Utah, Cause No. 228-08 are fully committed.

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject leases which are committed hereto.

RECEIVED
JUL 0 / 2005

We are of the opinion that the agreement is necessary and advisable in the public interest and for the purpose of more properly conserving natural resources. Certification-Determination, signed by the School and Institutional Trust Land Administration for the State of Utah, is attached to the enclosed agreement. We request that you furnish the State of Utah and all other interested principals with appropriate evidence of this approval.

Sincerely,

/s/ Terry Catlin

Terry Catlin Acting Chief, Branch of Fluid Minerals

Enclosure

bcc:

Mary Higgins w/enclosure

MMS - Data Management Division (Attn: James Sykes)

Trust Lands Administration
Division of Oil, Gas and Mining
Field Manager - Vernal w/enclosure

File - Sundance (Green River) Unit w/enclosure

Agr. Sec. Chron Fluid Chron Central Files

UT922:TAThompson:tt:06/30/2005

UNITED STATES DEPARTMENT OF THE INTERIOR

JUL 0 8 200

FORM APPROVED

<u> </u>	Expires		
ase S	erial No.		

BUREAU OF LAND MANAGEMENT SUNDRY NOTICES AND REPORTS ON WELLS DIV. OF OIL, GAS & WINIAGO DO not use this form for proposals to drill or to re-enter an 6. If Indian, Allottee or Tribe Name. abandoned well. Use Form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE - Other Instructions on reverse side 7. If Unit or CA/Agreement, Name and/or No. 1. Type of Well Oil Well Gas Well Other 8. Well Name and No. 2. Name of Operator FEDERAL 13-7-9-18 Newfield Production Company 9. API Well No. 3a. Address Route 3 Box 3630 3b. Phone No. (include are code) 4304735452 Myton, UT 84052 435.646.3721 10. Field and Pool, or Exploratory Area 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Monument Butte 660 FSL 660 FWL 11. County or Parish, State SW/SW Section 7 T9S R18E Uintah, UT 12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Acidize Deepen ■ Production(Start/Resume) ☐ Water Shut-Off X Notice of Intent Alter Casing Fracture Treat Reclamation ■ Well Integrity Casing Repair New Construction Recomplete ☐ Subsequent Report Other Change Plans Plug & Abandon Temporarily Abandon Final Abandonment Notice Convert to Injector Plug Back Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

I hereby certify that the foregoing is true and correct	Title		
Name (Printed/Typed) Mandie Crozier	Regulatory Specialist		
Signature Micardio Usul	Date 07/07/2005	ı	
THE SPACE FOR FEI	DERAL OR STATE OFFIC	E USE	
Approved by	Title	Date	
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease	Office		

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0135 Expires January 31,2004

I	BUREAU OF LAND MANAGEN	MENT			pites January 31,2004
SUNDRY	NOTICES AND REPORTS	SONWELLS		Lease Serial N UTU16540	0.
Do not use this form for proposals to drill or to re-enter an					to an Tribe Name
abandoned w	ell. Use Form 3160-3 (APD) f	or such proposal:	s.	o. II indian, Allot	tee or Tribe Name.
CTIBRATT IN T	RIPLICATE - Other Instruc			-	
Sobiul nam	MIT LACATE - Other Instruc	Hous on reverse si	iue	7. If Unit or CA/A	Agreement, Name and/or No.
l. Type of Well					
Oil Well Gas Well	Other			8. Well Name and	l No
2. Name of Operator				FEDERAL 13-7	
Newfield Production Company				9. API Well No.	
3a. Address Route 3 Box 3630	3Ь.	Phone No. (include ar	e code)	4304735452	
Myton, UT 84052		5.646.3721		10. Field and Poo	l, or Exploratory Area
4. Location of Well (Footage, Sec	., T., R., M., or Survey Description)			Monument Butt	e
660 FSL 660 FWL				11. County or Par	ish, State
SW/SW Section 7 T98 R18	E			Uintah,UT	
12. CHECK	APPROPRIATE BOX(ES) T	O INIDICATE NA	ATURE OF NO	TICE, OR OT	HER DATA
TYPE OF SUBMISSION		TYP	E OF ACTION		
	Acidize	Deepen	☐ Production	(Start/Resume)	☐ Water Shut-Off
X Notice of Intent	Alter Casing	Fracture Treat	Reclamation	•	Well Integrity
Subsequent Report	Casing Repair	New Construction	Recomplet		X Other
Subsequent Report	Change Plans	Plug & Abandon	= '	ly Abandon	Variance
Final Abandonment Notice	Convert to Injector	Plug Back	Water Dist	•	· Bridings
	peration (clearly state all pertinent details, in				
tanks to be equipped with E formation, which are relativ separator to maximize gas Newfield is requesting a va a surge of gas when the thi	riance for safety reasons. Cruce f hatches are open. While gall, under optimum conditions Accepted butah Division, Gas and Date:	valves. Newfield op pd). The majority of the oil production tar uging tanks, lease by the	erates wells that the wells are e nks equipped w	at produce from equipped with a with back pressure subject to bre val Of This	n the Green River n three phase ure devices will emit
	By:			DIV	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
I hereby certify that the foregoing is	true and correct	Title			OF OIL, GAS & MINING
Name (Printed/Typed) Mandie Crozier		Regulatory Speci	alist		- milving
Signature	, / · ·	Date		,	
11 word	2 Nosan	07/07/2005			
	TH ÍS -SPACE FOR E	EDEKAL OR ST	A4E OFFICE	. USB -	
certify that the applicant holds legal or ed which would entitle the applicant to cond Title 18 U.S.C. Section 1001 and Title 43	ed. Approval of this notice does not warran quitable title to those rights in the subject le fuct operations thereon. 3 U.S.C. Section 1212, make it a crime for a statements or representations as to any materials.	office Office	direction,	10 CPERA DA 2-//-05- CHO ny department or age	

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0135 Expires January 31,2004

•				5. Lease Serial N	0.
SUNDRY	NOTICES AND REPOR	TS ON WELLS	•	UTU16540	
	ell. Use Form 3160-3 (APD			6. If Indian, Allott	tee or Tribe Name.
LAI IMBUS.	HPLICATE Other Instr	icilona on reverse :	ide Sa		agreement, Name and/or No.
1. Type of Well				SUNDANCE UI	NIT
Oil Well Gas Well	Other			8. Well Name and	
Name of Operator Newfield Production Company				FEDERAL 13-7	<u>'-9-18</u>
3a. Address Route 3 Box 3630	:	3b. Phone No. (include at	re code)	9. API Well No. 4304735452	
Myton, UT 84052		435.646.3721			l, or Exploratory Area
4. Location of Well (Footage, Sec 660 FSL 660 FWL	, T., R., M., or Survey Description,			Monument Butte 11. County or Par	
SW/SW Section 7 T9S R18	E			1	isii, state
	-			Uintah, UT	
12. CHECK	APPROPRIATE BOX(ES)	TO INIDICATE N	ATURE OF N	OTICE, OR OT	HER DATA '
TYPE OF SUBMISSION		TY	PE OF ACTION		
	☐ Acidize	Deepen	Productio	n(Start/Resume)	Water Shut-Off
Notice of Intent	Alter Casing	Fracture Treat	Reclamati	ion	☐ Well Integrity
X Subsequent Report	Casing Repair	New Construction	Recomple	ete	Other
Final Abandonment Notice	Change Plans	Plug & Abandon	=	ily Abandon	Weekly Status Report
T man / touristonment (voice	Convert to Injector	Plug Back	☐ Water Dis	sposal	
the well. A cement bond log with 20/40 mesh sand. Per (4974'-4980'); Stage #3 (46 flow-through frac plugs wer well on 06-30-2005. Bridge	d 06/23/05 - 07/05/05 In procedures intiated in the 0 g was run and a total of four forated intervals are as follow (84'-4692') (4668'-4680'); State used between stages. Fraplugs were drilled out and we run in well on sucker rods.	Green River interval vs: Stage #1 (5537'- ge #4 (4562'-4570'). cs were flowed back vell was cleaned to 5	s were perforat 5547'); Stage # All perforations through choke 524.49'. Zones	ed and hydrauli 2 (4994'-5000') s, were 4 JSPF. s. A service rig were swab test	cally fracture treated (4983'-4988') Composite was moved over the ted for sand cleanup.
				REC	CEIVED
				JUL	2 6 2005
				DIV. OF OIL	, GAS & MINING
I hereby certify that the foregoing is	true and correct	Title			
Name (Printed/Typed) Lana Nebeker 1	$\alpha \cap \alpha$	Production Cler	k		
Signature Jama 1 G	de Veles	Date 07/25/2005	NE 100 1	· · · · · · · · · · · · · · · · ·	
4	THIS SPACE FOR	ufederations	Patrofeic	R CSESSION	granical services a
A d h		Tial	.		· a
Approved by Conditions of approval, if any, are attach certify that the applicant holds legal or e which would entitle the applicant to con-	quitable title to those rights in the subject		ee	Dat	
Title 18 U.S.C. Section 1001 and Title 4		for any person knowingly and	d willfully to make to	any department or ag	ency of the United

(Instructions on reverse)

States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

FC.RM 3160-4 (July 1992)

UNITED STATES

SUBMIT IN DUI- CATE* FORM APPROVED

(See other instructions ons reverse side)

OMB NO. 1004-0137

Expires: February 28, 1995

MC

5. LEASE DESIGNATION AND SERIAL NO. DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT** UTU-16540 6. IF INDIAN. ALLOTTEE OR TRIBE NAME WELL COMPLETION OR RECOMPLETION REPORT AND LOG* NA 1a. TYPE OF WORK 7. UNIT AGREEMENT NAME Х DRY Sundance Unit Other WELL 1b. TYPE OF WELL 8. FARM OR LEASE NAME, WELL NO. WORK PLUG NEW DIFF DEEPEN Federal 13-7-9-18 OVER BACK Other RESVR WELL 2. NAME OF OPERATOR **Newfield Exploration Company** 43-047-35452 10. FIELD AND POOL OR WILDCAT 3. ADDRESS AND TELEPHONE NO. 1401 17th St. Suite 1000 Denver, CO 80202 Eight Mile Flat 11. SEC., T., R., M., OR BLOCK AND SURVEY 4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.*) 660' FSL & 660' FWL (SW/SW) Sec. 7, T9S, R18E OR AREA At Surface Sec. 7, T9S, R18E At top prod. Interval reported below DATE ISSUED 12. COUNTY OR PARISH 13. STATE 14. API NO. At total depth 1/28/04 UT 43-047-35452 Uintah 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD 15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 5089' GL 5101' KB 6/6/05 6/13/05 7/5/05 21. PLUG BACK T.D., MD & TVD 22 JE MULTIPLE COMPL 23. INTERVALS ROTARY TOOLS CABLE TOOLS 20. TOTAL DEPTH, MD & TVD DRILLED BY HOW MANY* Χ 5788' 25 WAS DIRECTIONAL 24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* SURVEY MADE Green River 4562'-5547' No 27. WAS WELL CORED 26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log No CASING RECORD (Report all strings set in well) DEPTH SET (MD) HOLE SIZE TOP OF CEMENT, CEMENTING RECORD AMOUNT PULLED CASING SIZE/GRADE WEIGHT. LB./FT 8-5/8" - J-55 309' 12-1/4" To surface with 160 sx Class "G" cmt 24# 5-1/2" - J-55 15.5# 5831 7-7/8" 350 sx Premlite II and 450 sx 50/50 Poz TUBING RECORD LINER RECORD PACKER SET (MD) TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD) SIZE DEPTH SET (MD) 2-7/8" EOT @ TA @ 5623 ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. 31. PERFORATION RECORD (Interval, size and number) DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED INTERVAL SIZE SPF/NUMBER (CP4) 5537'-5547 5537'-5547' Frac w/ 39,179# 20/40 sand in 382 bbls fluid <u>41"</u> 4/40 4974'-5000' Frac w/ 29,276# 20/40 sand in 309 bbls fluid (A1) 4974'-80', 4983'-88', 4994'-5000' 41" 4/68 4/32 41' 4668'-4692 Frac w/ 82.174# 20/40 sand in 615 bbls fluid (C) 4668'-4680', 4684'-4692' Frac w/ 28,867# 20/40 sand in 298 bbls fluid (D2) 4562'-4570 41" 4/32 4562'-4570 PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump WELL STATUS (Producing or shut-in) DATE FIRST PRODUCTION **PRODUCING** 2-1/2" x 1-1/2" x 10' x 14' RHAC CDI Pump 7/5/05 WATER-BBL. GAS-OIL RATIO PROD'N. FOR TEST PERIOD DATE OF TEST HOURS TESTED CHOKE SIZE OIL--BBLS. 583 10 day ave WATER--BBL. OIL GRAVITY-API (CORR.) OIL-BBL. GAS--MCF. CASING PRESSURE CALCULATED FLOW TUBING PRESS 24-HOUR RATE TEST WITNESSED BY 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) RECEIVED Sold & Used for Fuel 35. LIST OF ATTACHMENTS and attached information is complete and correct as determined from all available records 36. I hereby certify th DIV oRegulatory Specialist 8/5/2005 SIGNED

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and 38. GEOLOGIC MARKERS recoveries); FORMATION ТОР воттом DESCRIPTION, CONTENTS, ETC. TOP NAME TRUE MEAS. DEPTH VERT. DEPTH Well Name Garden Gulch Mkr 3556' Federal 13-7-9-18 Garden Gulch 1 3728' Garden Gulch 2 3836' Point 3 Mkr 4100' X Mkr 4332' Y-Mkr 4368' Douglas Creek Mkr 4498' BiCarbonate Mkr 4731' B Limestone Mkr 4861' Castle Peak 5309' Basal Carbonate 5711' Total Depth (LOGGERS 6035'

STATES TO ALL TO

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8 1595 WYNKOOP STREET DENVER, CO 80202-1129 http://www.epa.gov/region8

MAY 2 2 2008

Ref: 8P-W-GW

<u>CERTIFIED MAIL</u> <u>RETURN RECEIPT REQUESTED</u>

Eric Sundberg Newfield Production Company 1001 Seventeenth Street, Suite 2000 Denver, CO 80202 Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Re: Final Permit

EPA UIC Permit UT21093-07352

Federal 13-7-9-18 Uintah County, Utah API No. 43-047-35452

95 /8E

Dear Mr. Sundberg:

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed Federal 13-7-9-18 injection well. A Statement of Basis that discusses the conditions and requirements of this EPA UIC Permit, is also included.

Please note that under the terms and conditions of this Final Permit you are authorized only to construct the proposed injection well. Prior to commencing injection, you first must fulfill all "Prior to Commencing Injection" requirements of the Final Permit, Part II Section C Subpart 1, and obtain written Authorization to Inject from the EPA. It is your responsibility to be familiar with and to comply with all provisions of your Final Permit.

This EPA UIC Permit is issued for the operating life of the well unless terminated (Part III, Section B). The EPA may review this Permit at least every five (5) years to determine whether any action is warranted pursuant to 40 CFR § 144.36(a).

JUN 0 2 2008

DIV. OF OIL, GAS & MINING Printed on Recycled Paper

If you have any questions on the enclosed Final Permit or Statement of Basis, please call Emmett Schmitz of my staff at (303) 312-6174, or toll-free at (800) 227-8917, ext. 312-6174.

Sincerely,

Stephen S. Tuber

Assistant Regional Administrator

Office of Partnerships and Regulatory Assistance

enclosure:

Final UIC Permit

Statement of Basis

Form 7520-7 Application to Transfer Permit

Form 7520-11 Monitoring Report Form 7520-12 Rework Record Form 7520-13 Plugging Plan

cc:

Letter:

Uintah & Ouray Business Committee, Ute Indian Tribe:
Curtis Cesspooch, Chairman
Irene Cuch, Vice-Chairwoman
Frances Poowegup, Councilwoman
Ronald Groves, Councilman
Phillip Chimburas, Councilman
Steven Cesspooch, Councilman

Chester Mills, Superintendent U.S. Bureau of Indian Affairs Uintah & Ouray Indian Agency

cc: all enclosures:

Michael Guinn
District Manager
Newfield Production Company
Myton, Utah

Felicia Myore Acting Director Energy & Minerals Dept. Ute Indian Tribe

Shaun Chapoose Director Land Use Dept. Ute Indian Tribe

Gilbert Hunt Assistant Director State of Utah - Natural Resources

Fluid Minerals Engineering Dept. U.S. Bureau of Land Management Vernal, Utah

STATEMENT OF BASIS

NEWFIELD PRODUCTION COMPANY FEDERAL 13-7-9-18 UINTAH COUNTY, UT

EPA PERMIT NO. UT21093-07352

CONTACT: Emmett Schmitz

U. S. Environmental Protection Agency Ground Water Program, 8P-W-GW

1595 Wynkoop Street

Denver, Colorado 80202-1129

Telephone: 1-800-227-8917 ext. 312-6174

This STATEMENT OF BASIS gives the derivation of site-specific UIC Permit conditions and reasons for them. Referenced sections and conditions correspond to sections and conditions in the Permit.

EPA UIC permits regulate the injection of fluids into underground injection wells so that the injection does not endanger underground sources of drinking water. EPA UIC permit conditions are based upon the authorities set forth in regulatory provisions at 40 CFR Parts 144 and 146, and address potential impacts to underground sources of drinking water. Under 40 CFR 144.35 Issuance of this permit does not convey any property rights of any sort or any exclusive privilege, nor authorize injury to persons or property of invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. Under 40 CFR 144 Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General Permit conditions for which the content is mandatory and not subject to site-specific differences (40 CFR Parts 144, 146 and 147) are not discussed in this document.

Upon the Effective Date when issued, the Permit authorizes the construction and operation of injection wells so that the injection does not endanger underground sources of drinking water, governed by the conditions specified in the Permit. The Permit is issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR 144.39, 144.40 and 144.41. The Permit is subject to EPA review at least once every five (5) years to determine if action is required under 40 CFR 144.36(a).

PART I. General Information and Description of Facility

Newfield Production Company 1401 Seventeenth Street, Suite 1000 Denver, CO 80202

on

August 7, 2006

submitted an application for an Underground Injection Control (UIC) Program Permit or Permit Modification for the following injection well or wells:

Federal 13-7-9-18 660' FSL & 660' FWL, SWSW S7, T9S, R18E Uintah County, UT

Regulations specific to Uintah-Ouray Indian Reservation injection wells are found at 40 CFR 147 Subpart TT.

The application, including the required information and data necessary to issue or modify a UIC Permit in accordance with 40 CFR Parts 144, 146 and 147, was reviewed and determined by EPA to be complete.

The Permit will expire upon delegation of primary enforcement responsibility (primacy) for applicable portions of the UIC Program to the Ute Indian Tribe or the State of Utah unless the delegated agency has the authority and chooses to adopt and enforce this Permit as a Tribal or State Permit.

TABLE 1.1 shows the status of the well or wells as "New", "Existing", or "Conversion" and for Existing shows the original date of injection operation. Well authorization "by rule" under 40 CFR Part 144 Subpart C expires automatically on the Effective Date of an issued UIC Permit.

The Federal No. 13-7-9-18 is currently an active Green River Formation Douglas Creek Member oil well. It is the initial intent of the applicant to use current Douglas Creek Member production perforations for Class II enhanced recovery injection. The Federal No. 13-7-9-18 has total depth in the Wasatch Formation, which formation has been adequately isolated during production casing cementation and plugging back to fifty-two (52) feet above the top of the Wasatch.

	TABLE 1.1	
WELL STA	TUS / DATE OF OPERA	TION
	NEW WELLS	
Well Name	Well Status	Date of Operation
Federal 13-7-9-18	New	N/A

PART II. Permit Considerations (40 CFR 146.24)

Hydrogeologic Setting

Water wells for domestic supply in this area, when present, generally are completed into the shallow alluvium, the Duchesne River Formation, or the underlying Uinta Formation, and the water generally contains approximately 500 to 1,500 mg/l and higher total dissolved solids.

The Uinta-Animas aquifer in the Uinta Basin is present in water-yielding beds of sandstone, conglomerate, and siltstone of the Duchesne River and Uinta Formations, the Renegade Tongue of the Wasatch Formation, and the Douglas Creek Member of the Green River Formation. The Renegade Tongue of the Wasatch Formation and the Douglas Creek Member of the Green River Formation contain an aguifer along the southern and eastern margins of the basin where the rocks primarily consist of fluvial, massive, irregularly bedded sandstone and siltstone. Water-yielding units in the Uinta-Animas aquifer in the Uinta Basin commonly are separated from each other and from the underlying Mesaverde aquifer by units of low permeability composed of claystone, shale, marlstone, or limestone. In the Uinta Basin, for example, the part of the aquifer in the Duchesne River and Uinta Formations ranges in thickness from 0 feet at the southern margin of the aquifer to as much as 9,000 feet in the north-central part of the aquifer. Ground-water recharge to the Uinta-Animas aquifer generally occurs in the areas of higher altitude along the margins of the basin. Ground water is discharged mainly to streams, springs, and by transpiration from vegetation growing along stream valleys. The rate of ground-water withdrawal is small, and natural discharge is approximately equal to recharge. Recharge occurs near the southern margin of the aquifer, and discharge occurs near the White and Green Rivers (from USGS publication HA 730-C). Water samples from Mesaverde sands in the nearby Natural Buttes Unit yielded highly saline water.

Geologic Setting (TABLE 2.1)

The proposed enhanced oil recovery injection well is located in the Greater Monument Butte Field. T7-9S and R15-19E, which lies near the center of the broad, gently northward dipping south flank of the Uinta Basin. More than 450 million barrels of oil (63 MT) have been produced from sediments of the Uinta Basin. The Uinta Basin is a topographic and structural trough encompassing an area of more than 9300 square mi (14,900 km) in northeast Utah. The basin is sharply asymmetrical, with a steep north flank bounded by the east-west-trending Uinta Mountains, and a gently dipping south flank. The Uinta Basin was formed in Paleocene to Eocene time, creating a large area of internal drainage which was filled by the ancestral Lake Uinta. The lacustrine, or fresh water lake-formed, sediments deposited in and around Lake Uinta make up the Uintah and Green River Formations. The southern shore of Lake Uinta was very broad and flat, resulting in large cyclic shifts of the location of the shoreline during the many repeated transgressive and regressive cycles caused by the climatic and tectonic-induced rise and fall of water levels of the lake. Distributary-mouth bars, distributary channels, and near-shore bars are the primary oil producing sandstone reservoirs in the area. (Ref: "Reservoir Characterization of the Lower Green River Formation, Southwest Uinta Basin, Utah Biannual Technical Progress Report, 4/1/99-9/30/99", by C. D. Morgan, Program Manager, November 1999, Contract DE-AC26-98BC15103).

The Duchesne River Formation is absent in this area. Shale and siltstone of the Uintah Formation outcrop and compose the surface rock throughout the area. The lower 600 feet to 800 feet of the Uinta Formation, consisting generally of shale interbedded with occasionally water-bearing sandstone lenses between 5 feet to 20 feet thick, is underlain by the Green River Formation. The

Green River Formation is further subdivided into several Member and local marker units. The cyclic nature of Green River deposition in the southern shore area resulted in numerous stacked, intertonguing deltaic and near-shore sand and silt deposits. Red alluvial shale and siltstone deposits that intertongue with the Green River sediments are of the Colton and Wasatch Formations. Under the Wasatch Formation is the Mesaverde Formation, which consists primarily of continental-origin deposits of interbedded shale, sandstone, and coal.

The geologic dip is about 200 feet per mile, and there are no known surface faults in this area. Veins of gilsonite, a natural resinous hydrocarbon occasionally mined as a resource, occurs in the greater Uintah Basin though it is predominantly found on the eastern margin of the basin near the Colorado border. Vertical veins, generally between 2 ft to 6 ft wide but up to 28 ft wide, may extend many miles in length and occasionally extend as deep as 2000 ft. In this area within the Greater Monument Butte Field there is one known gilsonite vein. This vein is not considered to present a pathway for migration of fluid out of the injection zone because it terminates at depth of about 2000 ft, far above the protective confining layer and much deeper injection zone. Newfield and the owner of this former gilsonite mine have agreed to conditions for operation near this vein to ensure no potential for impact to this vein or to ground water from enhanced oil recovery operations.

TABLE 2.1 GEOLOGIC SETTING Federal 13-7-9-18

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Lithology
Uinta	0	1,247		Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale.
Green River	1,247	3,554		Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale.
Green River: Trona	2,738	2,778 .		Evaporite
Green River: Mahogany Bench	2,778	2,796		oil shale
Green River: Garden Gulch Member	3,554	4,498		Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale.
Green River: Douglas Creek Member	4,498	5,708	> 10,000	Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale.
Green River: Basal Carbonate Member	5,708	5,836		Carbonate

Proposed Injection Zone(s) (TABLE 2.2)

An injection zone is a geological formation, group of formations, or part of a formation that receives fluids through a well. The proposed injection zones are listed in TABLE 2.2.

Injection will occur into an injection zone that is separated from USDWs by a confining zone which is free of known open faults or fractures within the Area of Review.

The Environmental Protection Agency (EPA) approved interval for Class II enhanced recovery injection in the Federal No. 13-7-9-18 is located between the top of the Garden Gulch Member (3554 feet) and the top of the Wasatch Formation which is estimated to be 5836 feet.

TABLE 2.2 INJECTION ZONES

Federal 13-7-9-18

Formation Name	Top (ft)	Base (ft)	TDS	(mg/l)	Fracture Gradient (psi/ft)	Porosity	Exempted?*
Green River	3,554	5,836	>,	10,000	0.690		N/A
* C - Currently Exempted E - Previously Exempted P - Proposed Exemption N/A - Not Applicable							

Confining Zone(s) (TABLE 2.3)

A confining zone is a geological formation, part of a formation, or a group of formations that limits fluid movement above the injection zone. The confining zone or zones are listed in TABLE 2.3.

The 198-foot (3356 feet - 3554 feet) Confining Zone is predominantly shale with some interbedded impervious and argillaceous silts/sands.

TABLE 2.3 CONFINING ZONES Federal 13-7-9-18

Formation Name	Formation Lithology	Top (ft)	Base (ft)
Green River: Confining Zone	Shale with some interbedded impervious, argillaceous silt/sand.	3,356	3,554

Underground Sources of Drinking Water (USDWs) (TABLE 2.4)

Aquifers or the portions thereof which contain less than 10,000 mg/l total dissolved solids (TDS) and are being or could in the future be used as a source of drinking water are considered to be USDWs. The USDWs in the area of this facility are identified in TABLE 2.4.

Throughout the Greater Monument Butte Field area undergoing enhanced oil recovery operations, water analyses of the Green River Formation generally exhibit total dissolved solids (TDS) content well in excess of 10,000 mg/l. However, some recent water analyses from the field showed lower TDS values closer to 10,000 mg/l. While rain and surface water recharge into Green River Formation outcrops further south along the Book Cliffs/Roan Cliffs in effect "freshens" the Green River Formation water near those outcrops, in this area of the Monument Butte Field the observed occasional 'freshening' is ascribed to the effective dilution of the originally in-place high TDS water from injection of relatively fresh water for enhanced oil recovery operations. Water samples from deeper Mesaverde Formation sands in the nearby Natural Buttes Unit yield highly saline water.

The State of Utah "Water Wells and Springs" identifies no public water supply wells within the one-

guarter (1/4) mile Area-of-Review (AOR) around the Federal No. 13-7-9-18.

Technical Publication No. 92: State of Utah, Department of Natural Resources, cites the base of Underground Sources of Drinking Water (USDW) in the Uinta Formation approximately 339 feet from the surface. However, absent definitive information relaltive to the water quality of the Uinta Formation, from the depth of 339 feet to the base of the Uinta Formation (1247 feet), the EPA will require, during plugging and abandonment, a cement plug at the base of the Uinta Formation to protect contamination of possible Uinta USDWs.

TABLE 2.4 UNDERGROUND SOURCES OF DRINKING WATER (USDW) Federal 13-7-9-18

Formation Name
Formation Lithology
Top (ft)
Base (ft)
TDS (mg/l)

Uinta
Interbedded lacustrine sand, shale and carbonate with fluvial sand and shale.

PART III. Well Construction (40 CFR 146.22)

The Federal No.13-7-9-18 was drilled to a total depth of 5845 feet (KB) feet in the Wasatch Formation. Top of Wasatch is estimated to be 5836 feet. A plug back total depth (PBTD) of 5788 feet and 80% bond index cement bond across the Basal Carbonate Member, which cement bond is inferred to continue within the backside of the 5-1/2 inch casing opposite the Wasatch Formation, effectively seals the Wasatch Formation.

Surface casing (8-5/8 inch) was set at a depth of 309 feet in a 12-1/4 inch hole using 160 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 5831 feet (KB) in a 7-7/8 inch hole with 350 sacks of Premium Lite II and 450 sacks of 50/50 poz mix. This well construction is considered adequate to protect USDWs.

The EPA calculates the top of cement as 660 feet from the surface. The Cement Bond Log (CBL) identifies top of cement at 110 feet. CBL analysis does identify adequate 80% bond index cement bond within the Confining Zone.

The schematic diagram shows enhanced recovery injection perforations in the Douglas Creek Member of the Green River Formation. Additional perforations may be added at a later time between the depths of 3554 feet and the top of the Wasatch Formation (Estimated to be 5836 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The packer will be set no higher than 100 feet above the top perforation.

TABLE 3.1 WELL CONSTRUCTION REQUIREMENTS

Federal 13-7-9-18

Casing Type	Hole Size (in)	Casing Size (in)	Cased Interval (ft)	Cemented Interval (ft)
Production	7.88	5.50	0 - 5,831	110 - 5,831
Surface	12.25	8.63	0 - 309	0 - 309

The approved well completion plan will be incorporated into the Permit as APPENDIX A and will be binding on the Permittee. Modification of the approved plan is allowed under 40 CFR 144.52(a)(1) provided written approval is obtained from the Director prior to actual modification.

Casing and Cementing (TABLE 3.1)

The well construction plan was evaluated and determined to be in conformance with standard practices and guidelines that ensure well injection does not result in the movement of fluids into USDWs. Well construction details for this "new" injection well is shown in TABLE 3.1.

Remedial cementing may be required if the casing cement is shown to be inadequate by cement bond log or other demonstration of Part II (External) mechanical integrity.

Tubing and Packer

Injection tubing is required to be installed from a packer up to the surface inside the well casing. The packer will be set above the uppermost perforation. The tubing and packer are designed to prevent injection fluid from coming into contact with the outermost casing.

Tubing-Casing Annulus (TCA)

The TCA allows the casing, tubing and packer to be pressure-tested periodically for mechanical integrity, and will allow for detection of leaks. The TCA will be filled with fresh water treated with a corrosion inhibitor or other fluid approved by the Director.

The tubing/casing annulus must be kept closed at all times so that it can be monitored as required under conditions of the Permit.

Monitoring Devices

The permittee will be required to install and maintain wellhead equipment that allows for monitoring pressures and providing access for sampling the injected fluid. Required equipment may include but is not limited to: 1) shut-off valves located at the wellhead on the injection tubing and on the TCA; 2) a flow meter that measures the cumulative volume of injected fluid; 3) fittings or pressure gauges attached to the injection tubing and the TCA for monitoring the injection and TCA pressure; and 4) a tap on the injection line, isolated by shut-off valves, for sampling the injected fluid.

All sampling and measurement taken for monitoring must be representative of the monitored activity.

PART IV. Area of Review, Corrective Action Plan (40 CFR 144.55)

TABLE 4.1 AOR AND CORRECTIVE ACTION						
Well Name	Туре	Status (Abandoned Y/N)	Total Depth (ft)	TOC Depth (ft)	CAP Required (Y/N)	
Federal 12-7-9-18	Producer	No	5,875	90	No	
Federal 14-7-9-18	Other	No	5,779	0	No	
Federal 16-12-9-17	Producer	No	5,770	120	No	
Federal 4-18-9-18	Producer	No.	6,181	1,110	No	

TABLE 4.1 lists the wells in the Area of Review ("AOR") and shows the well type, operating status, depth, top of casing cement ("TOC") and whether a Corrective Action Plan ("CAP") is required for the well.

Area Of Review

Applicants for Class I, II (other than "existing" wells) or III injection well Permits are required to identify the location of all known wells within the injection well's Area of Review (AOR) which penetrate the injection zone, or in the case of Class II wells operating over the fracture pressure of the formation, all known wells within the area of review that penetrate formations which may be affected by increased pressure. Under 40 CFR 146.6 the AOR may be a fixed radius of not less than one quarter (1/4) mile or a calculated zone of endangering influence. For Area Permits, a fixed width of not less than one quarter (1/4) mile for the circumscribing area may be used.

Corrective Action Plan

For wells in the AOR which are improperly sealed, completed, or abandoned, the applicant shall develop a Corrective Action Plan (CAP) consisting of the steps or modifications that are necessary to prevent movement of fluid into USDWs.

The CAP will be incorporated into the Permit as APPENDIX F and become binding on the permittee.

PART V. Well Operation Requirements (40 CFR 146.23)

INJE	TABLE 5.1 CTION ZONE PRESSU	RES	
· · · · · · · · · · · · · · · · · · ·	Federal 13-7-9-18		
Formation Name	Depth Used to Calculate MAIP (ft)	Fracture Gradient (psi/ft)	Initial MAIP (psi)
Green River	4,562	0.690	1,140

Approved Injection Fluid

The approved injection fluid is limited to Class II injection well fluids pursuant to 40 CFR § 144.6(b). For disposal wells injecting water brought to the surface in connection with natural gas storage operations, or conventional oil or natural gas production, the fluid may be commingled and the well used to inject other Class II wastes such as drilling fluids and spent well completion, treatment and stimulation fluid. Injection of non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes, and vacuum truck and drum rinsate from trucks and drums transporting or containing non-exempt waste, is prohibited.

The proposed injectate will be a blend of culinary-quality water from the Johnson Water District reservoir and/or water from the Green River water pipeline, and produced water from Green River Formation oil wells proximate to the Federal No. 13-7-9-18.

Injection Pressure Limitation

Injection pressure, measured at the wellhead, shall not exceed a maximum calculated to assure that the pressure used during injection does not initiate new fractures or propagate existing fractures in the confining zones adjacent to the USDWs.

The applicant submitted injection fluid density and injection zone data which was used to calculate a formation fracture pressure and to determine the maximum allowable injection pressure (MAIP), as measured at the surface, for this Permit.

TABLE 5.1 lists the fracture gradient for the injection zone and the approved MAIP, determined according to the following formula:

$$FP = [fg - (0.433 * sg)] * d$$

FP = formation fracture pressure (measured at surface)

fg = fracture gradient (from submitted data or tests)

sg = specific gravity (of injected fluid)

d = depth to top of injection zone (or top perforation)

Injection Volume Limitation

Cumulative injected fluid volume limits are set to assure that injected fluids remain within the boundary of the exempted area. Cumulative injected fluid volume is limited when injection occurs into an aquifer that has been exempted from protection as a USDW.

There will be no restrictions on the cumulative volume or daily volume of authorized Class II fluid to be injected into the approved Green River Formation interval. The permittee shall not exceed the maximum authorized injection pressure.

Mechanical Integrity (40 CFR 146.8)

An injection well has mechanical integrity if:

1. there is no significant leak in the casing, tubing, or packer (Part I); and

2. there is no significant fluid movement into a USDW through vertical channels adjacent to the injection well bore (Part II).

The Permit prohibits injection into a well which lacks mechanical integrity.

The Permit requires that the well demonstrate mechanical integrity prior to injection and periodically thereafter. A demonstration of mechanical integrity includes both internal (Part I) and external (Part II). The methods and frequency for demonstrating Part I and Part II mechanical integrity are dependent upon well-specific conditions as explained below.

Well construction and site-specific conditions dictate the following requirements for Mechanical Integrity (MI) demonstrations:

PART I MI: Internal MI will be demonstrated prior to beginning injection. Since this well is constructed with a standard casing, tubing, and packer configuration, a successful mechanical integrity test (MIT) is required to take place at least once every five (5) years. A demonstration of Part I MI is also required prior to resuming injection following any workover operation that affects the casing, tubing or packer. Part I MI may be demonstrated by a standard tubing-casing annulus pressure test using the maximum permitted injection pressure or 1000 psi, which ever is less, with a ten (10) percent or less pressure loss over thirty (30) minutes.

PART VI. Monitoring, Recordkeeping and Reporting Requirements

Injection Well Monitoring Program

At least once a year the permittee must analyze a sample of the injected fluid for total dissolved solids (TDS), specific conductivity, pH, and specific gravity. This analysis shall be reported to EPA annually as part of the Annual Report to the Director. Any time a new source of injected fluid is added, a fluid analysis shall be made of the new source.

Instantaneous injection pressure, injection flow rate, cumulative fluid volume and TCA pressures must be observed on a weekly basis. A recording, at least once every thirty (30) days, must be made of the injection pressure, annulus pressure, monthly injection flow rate and cumulative fluid volume. This information is required to be reported annually as part of the Annual Report to the Director.

PART VII. Plugging and Abandonment Requirements (40 CFR 146.10)

Plugging and Abandonment Plan

Prior to abandonment, the well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs, and in accordance with any applicable Federal, State or local law or regulation. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520 13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. The plugging and abandonment plan is described in Appendix E of the Permit.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of

fluid into or between USDWs and in accordance with other applicable Federal, State or local law or regulation. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs. However, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. Within sixty (60) days after plugging, the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Seal Injection Zone: Set a cast iron bridge plug (CIBP) no more than fifty (50) feet above the top injection perforation. Place at least twenty (20) feet of cement plug on top of the CIBP.

PLUG NO. 2: Seal Mahogany Shale and Trona intervals: Squeeze a cement plug on the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale approximately 2690 feet to 2850 feet (unless pre-existing backside cement precludes cement-squeezing this interval) followed by a minimum 160-foot balanced cement plug inside the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale, approximately 2690 feet to 2850 feet.

PLUG NO. 3: Seal USDWs: Squeeze a cement plug (1200 feet - 1300 feet) on the backside of the 5-1/2 inch casing across the base of the Uinta formation (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 100-foot balanced cement plug inside the 5-1/2 inch casing across the base of the Uinta Formation, approximately 1200 feet to 1300 feet.

PLUG NO.4: Seal Surface: Set a Class "G" cement plug within the 5-1/2 inch casing to 380 feet and up the 5-1/2 inch by 8-5/8 inch casings annulus to the surface.

PART VIII. Financial Responsibility (40 CFR 144.52)

Demonstration of Financial Responsibility

The permittee is required to maintain financial responsibility and resources to close, plug, and abandon the underground injection operation in a manner prescribed by the Director. The permittee shall show evidence of such financial responsibility to the Director by the submission of a surety bond, or other adequate assurance such as financial statements or other materials acceptable to the Director. The Regional Administrator may, on a periodic basis, require the holder of a lifetime permit to submit a revised estimate of the resources needed to plug and abandon the well to reflect inflation of such costs, and a revised demonstration of financial responsibility if necessary. Initially, the operator has chosen to demonstrate financial responsibility with:

Financial Statement that was reviewed and approved by the EPA January 11, 2008.	
Financial Statement, received April 22, 2005	

Evidence of continuing financial responsibility is required to be submitted to the Director annually.

\$EPA

UNDERGROUND INJECTION CONTROL PROGRAM PERMIT

PREPARED: May 2008

Permit No. UT21093-07352

Class II Enhanced Oil Recovery Injection Well

Federal 13-7-9-18 Uintah County, UT

Issued To

Newfield Production Company

1401 Seventeenth Street, Suite 1000 Denver, CO 80202

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AUTHORIZATION TO CONSTRUCT AND OPERATE

Under the authority of the Safe Drinking Water Act and Underground Injection Control (UIC) Program regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations (40 CFR) Parts 2, 124, 144, 146, and 147, and according to the terms of this Permit.

> **Newfield Production Company** 1401 Seventeenth Street, Suite 1000 Denver, CO 80202

is authorized to construct and to operate the following Class II injection well or wells:

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EPA regulates the injection of fluids into injection wells so that injection does not endanger underground sources of drinking water (USDWs). EPA UIC Permit conditions are based on authorities set forth at 40 CFR Parts 144 and 146, and address potential impacts to USDWs.

Under 40 CFR Part 144, Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General permit conditions for which the content is mandatory and not subject to site-specific differences are not discussed in this document. Issuance of this Permit does not convey any property rights of any sort or any exclusive privilege, nor does it authorize injury to persons or property or invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. (40 CFR §144.35) An EPA UIC Permit may be issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR §§144.39, 144.40 and 144.41, and may be reviewed at least once every five (5) years to determine if action is required under 40 CFR §144.36(a).

This Permit is issued for the life of the well(s) unless modified, revoked and reissued, or terminated under 40 CFR 144.39 or 144.40. This EPA Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for a UIC Program is delegated to an Indian Tribe or State. Upon the effective date of delegation, reports, notifications, questions and other correspondence should be directed to the Indian Tribe or State Director.

Issue Date: MAY 2 2 2008

Effective Date

MAY 2 8 2008

Stephen S. Tuber

Assistant Regional Administrator*

Office of Partnerships and Regulatory Assistance

*NOTE: The person holding this title is referred to as the "Director" throughout this Permit.

PART II. SPECIFIC PERMIT CONDITIONS

Section A. WELL CONSTRUCTION REQUIREMENTS

These requirements represent the approved minimum construction standards for well casing and cement, injection tubing, and packer.

Details of the approved well construction plan are incorporated into this Permit as APPENDIX A. Changes to the approved plan that may occur during construction must be approved by the Director prior to being physically incorporated.

1. Casing and Cement.

The well or wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The well casing and cement shall be designed for the life expectancy of the well and of the grade and size shown in APPENDIX A. Remedial cementing may be required if shown to be inadequate by cement bond log or other attempted demonstration of Part II (External) mechanical integrity.

2. Injection Tubing and Packer.

Injection tubing is required, and shall be run and set with a packer at or below the depth indicated in APPENDIX A. The packer setting depth may be changed provided it remains below the depth indicated in APPENDIX A and the Permittee provides notice and obtains the Director's approval for the change.

3. Sampling and Monitoring Devices.

The Permittee shall install and maintain in good operating condition:

- (a) a "tap" at a conveniently accessible location on the injection flow line between the pump house or storage tanks and the injection well, isolated by shut-off valves, for collection of representative samples of the injected fluid; and
- (b) one-half (1/2) inch female iron pipe fitting, isolated by shut-off valves and located at the wellhead at a conveniently accessible location, for the attachment of a pressure gauge capable of monitoring pressures ranging from normal operating pressures up to the Maximum Allowable Injection Pressure specified in APPENDIX C:
 - (i) on the injection tubing: and
 - (ii) on the tubing-casing annulus (TCA); and
- (c) a pressure actuated shut-off device attached to the injection flow line set to shut-off the injection pump when or before the Maximum Allowable Injection Pressure (MAIP) specified in APPENDIX C is reached at the wellhead; and
- (d) a non-resettable cumulative volume recorder attached to the injection line.

4. Well Logging and Testing

Well logging and testing requirements are found in APPENDIX B. The Permittee shall ensure the log and test requirements are performed within the time frames specified in APPENDIX B. Well logs and tests shall be performed according to current EPA-approved procedures. Well log and test results shall be submitted to the Director within sixty (60) days of completion of the logging or testing activity, and shall include a report describing the methods used during logging or testing and an interpretation of the test or log results.

5. Postponement of Construction or Conversion

The Permittee shall complete well construction within one year of the Effective Date of the Permit, or in the case of an Area Permit within one year of Authorization of the additional well. Authorization to construct and operate shall expire if the well has not been constructed within one year of the Effective Date of the Permit or Authorization and the Permit may be terminated under 40 CFR 144.40, unless the Permittee has notified the Director and requested an extension prior to expiration. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired under this part, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate may be reissued.

6. Workovers and Alterations

Workovers and alterations shall meet all conditions of the Permit. Prior to beginning any addition or physical alteration to an injection well that may significantly affect the tubing, packer or casing, the Permittee shall give advance notice to the Director and obtain the Director's approval. The Permittee shall record all changes to well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workover, logging, or test data to EPA within sixty (60) days of completion of the activity.

A successful demonstration of Part I MI is required following the completion of any well workover or alteration which affects the casing, tubing, or packer. Injection operations shall not be resumed until the well has successfully demonstrated mechanical integrity and the Director has provided written approval to resume injection.

Section B. MECHANICAL INTEGRITY

The Permittee is required to ensure each injection well maintains mechanical integrity at all times. The Director, by written notice, may require the Permittee to comply with a schedule describing when mechanical integrity demonstrations shall be made.

An injection well has mechanical integrity if:

- (a) There is no significant leak in the casing, tubing, or packer (Part I); and
- (b) There is no significant fluid movement into an underground source of drinking water through vertical channels adjacent to the injection well bore (Part II).

1. Demonstration of Mechanical Integrity (MI).

The operator shall demonstrate MI prior to commencing injection and periodically thereafter. Well-specific conditions dictate the methods and the frequency for demonstrating MI and are discussed in the Statement of Basis. The logs and tests are designed to demonstrate both internal (Part I) and external (Part II) MI as described above. The conditions present at this well site warrant the methods and frequency required in Appendix B of this Permit.

In addition to these regularly scheduled demonstrations of MI, the operator shall demonstrate internal (Part I) MI after any workover which affects the tubing, packer or casing.

The Director may require additional or alternative tests if the results presented by the operator are not satisfactory to the Director to demonstrate there is no movement of fluid into or between USDWs resulting from injection activity. Results of MI tests shall be submitted to the Director as soon as possible but no later than sixty (60) days after the test is complete.

2. Mechanical Integrity Test Methods and Criteria

EPA-approved methods shall be used to demonstrate mechanical integrity. Ground Water Section Guidance No. 34 "Cement Bond Logging Techniques and Interpretation", Ground Water Section Guidance No. 37, "Demonstrating Part II (External) Mechanical Integrity for a Class II injection well permit", and Ground Water Section Guidance No. 39, "Pressure Testing Injection Wells for Part I (Internal) Mechanical Integrity" are available from EPA and will be provided upon request.

The Director may stipulate specific test methods and criteria best suited for a specific well construction and injection operation.

3. Notification Prior to Testing.

The Permittee shall notify the Director at least 30 days prior to any scheduled mechanical integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests, or it may be on an individual basis.

4. Loss of Mechanical Integrity.

If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity becomes evident during operation (such as presence of pressure in the TCA, water flowing at the surface, etc.), the Permittee shall notify the Director within 24 hours (see Part III Section E Paragraph 11(e) of this Permit) and the well shall be shut-in within 48 hours unless the Director requires immediate shut-in.

Within five days, the Permittee shall submit a follow-up written report that documents test results, repairs undertaken or a proposed remedial action plan.

Injection operations shall not be resumed until after the well has successfully been repaired and demonstrated mechanical integrity, and the Director has provided approval to resume injection.

Section C. WELL OPERATION

INJECTION BETWEEN THE OUTERMOST CASING PROTECTING UNDERGROUND SOURCES OF DRINKING WATER AND THE WELL BORE IS PROHIBITED.

Injection is approved under the following conditions:

1. Requirements Prior to Commencing Injection.

Well injection, including for new wells authorized by an Area Permit under 40 CFR 144.33 (c), may commence only after all well construction and pre-injection requirements herein have been met and approved. The Permittee may not commence injection until construction is complete, and

- (a) The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-10 or 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and
 - (i) The Director has inspected or otherwise reviewed the new injection well and finds it is in compliance with the conditions of the Permit; or
 - (ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

2. Injection Interval.

Injection is permitted only within the approved injection interval, listed in APPENDIX C. Additional individual injection perforations may be added provided that they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6.

3. Injection Pressure Limitation

- (a) The permitted Maximum Allowable Injection Pressure (MAIP), measured at the wellhead, is found in APPENDIX C. Injection pressure shall not exceed the amount the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs. In no case shall injection pressure cause the movement of injection or formation fluids into a USDW.
- (b) The Permittee may request a change of the MAIP, or the MAIP may be increased or decreased by the Director in order to ensure that the requirements in Paragraph (a) above are fulfilled. The Permitee may be required to conduct a step rate injection test or other suitable test to provide information for determining the fracture pressure of the injection zone. Change of the permitted MAIP by the Director shall be by modification of this Permit and APPENDIX C.

4. Injection Volume Limitation.

Injection volume is limited to the total volume specified in APPENDIX C.

5. Injection Fluid Limitation.

Injected fluids are limited to those identified in 40 CFR 144.6(b)(2) as fluids used for enhanced recovery of oil or natural gas, including those which are brought to the surface in connection with conventional oil or natural gas production that may be commingled with waste waters from gas plants which are an integral part of production operations unless those waters are classified as a hazardous waste at the time of injection, pursuant to 40 CFR 144.6(b). Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are NOT approved for injection. This well is NOT approved for commercial brine injection, industrial waste fluid disposal or injection of hazardous waste as defined by CFR 40 Part 261. The Permittee shall provide a listing of the sources of injected fluids in accordance with the reporting requirements in Part II Section D Paragraph 4 and APPENDIX D of this Permit.

6. Tubing-Casing Annulus (TCA)

The tubing-casing annulus (TCA) shall be filled with water treated with a corrosion inhibitor, or other fluid approved by the Director. The TCA valve shall remain closed during normal operating conditions and the TCA pressure shall be maintained at zero (0) psi.

If TCA pressure cannot be maintained at zero (0) psi, the Permittee shall follow the procedures in Ground Water Section Guidance No. 35 "Procedures to follow when excessive annular pressure is observed on a well."

Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

1. Monitoring Parameters, Frequency, Records and Reports.

Monitoring parameters are specified in APPENDIX D. Pressure monitoring recordings shall be taken at the wellhead. The listed parameters are to be monitored, recorded and reported at the frequency indicated in APPENDIX D even during periods when the well is not operating.

Monitoring records must include:

- (a) the date, time, exact place and the results of the observation, sampling, measurement, or analysis, and;
- (b) the name of the individual(s) who performed the observation, sampling, measurement, or analysis, and;
- (c) the analytical techniques or methods used for analysis.

2. Monitoring Methods.

(a) Monitoring observations, measurements, samples, etc. taken for the purpose of complying with these requirements shall be representative of the activity or condition being monitored.

- (b) Methods used to monitor the nature of the injected fluids must comply with analytical methods cited and described in Table 1 of 40 CFR 136.3 or Appendix III of 40 CFR 261, or by other methods that have been approved in writing by the Director.
- (c) Injection pressure, annulus pressure, injection rate, and cumulative injected volumes shall be observed and recorded at the wellhead under normal operating conditions, and all parameters shall be observed simultaneously to provide a clear depiction of well operation.
- (d) Pressures are to be measured in pounds per square inch (psi).
- (e) Fluid volumes are to be measured in standard oil field barrels (bbl).
- (f) Fluid rates are to be measured in barrels per day (bbl/day).

3. Records Retention.

- (a) Records of calibration and maintenance, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained for a period of AT LEAST THREE (3) YEARS from the date of the sample, measurement, report, or application. This period may be extended anytime prior to its expiration by request of the Director.
- (b) Records of the nature and composition of all injected fluids must be retained until three (3) years after the completion of any plugging and abandonment (P&A) procedures specified under 40 CFR 144.52(a)(6) or under Part 146 Subpart G, as appropriate. The Director may require the Permittee to deliver the records to the Director at the conclusion of the retention period. The Permittee shall continue to retain the records after the three (3) year retention period unless the Permittee delivers the records to the Director or obtains written approval from the Director to discard the records.
- (c) The Permittee shall retain records at the location designated in APPENDIX D.

4. Annual Reports.

Whether the well is operating or not, the Permittee shall submit an Annual Report to the Director that summarizes the results of the monitoring required by Part II Section D and APPENDIX D.

The first Annual Report shall cover the period from the effective date of the Permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31 of the reporting year. Annual Reports shall be submitted by February 15 of the year following data collection. EPA Form 7520-11 may be copied and shall be used to submit the Annual Report, however, the monitoring requirements specified in this Permit are mandatory even if EPA Form 7520-11 indicates otherwise.

Section E. PLUGGING AND ABANDONMENT

1. Notification of Well Abandonment, Conversion or Closure.

The Permittee shall notify the Director in writing at least forty-five (45) days prior to: 1) plugging and abandoning an injection well, 2) converting to a non-injection well, and 3) in the case of an Area Permit, before closure of the project.

2. Well Plugging Requirements

Prior to abandonment, the injection well shall be plugged with cement in a manner which isolates the injection zone and prevents the movement of fluids into or between underground sources of drinking water, and in accordance with 40 CFR 146.10 and other applicable Federal, State or local law or regulations. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director.

3. Approved Plugging and Abandonment Plan.

The approved plugging and abandonment plan is incorporated into this Permit as APPENDIX E. Changes to the approved plugging and abandonment plan must be approved by the Director prior to beginning plugging operations. The Director also may require revision of the approved plugging and abandonment plan at any time prior to plugging the well.

4. Forty Five (45) Day Notice of Plugging and Abandonment.

The Permittee shall notify the Director at least forty-five (45) days prior to plugging and abandoning a well and provide notice of any anticipated change to the approved plugging and abanonment plan.

5. Plugging and Abandonment Report.

Within sixty (60) days after plugging a well, the Permittee shall submit a report (EPA Form 7520-13) to the Director. The plugging report shall be certified as accurate by the person who performed the plugging operation. Such report shall consist of either:

- (a) A statement that the well was plugged in accordance with the approved plugging and abandonment plan; or
- (b) Where actual plugging differed from the approved plugging and abandonment plan, an updated version of the plan, on the form supplied by the Director, specifying the differences.

6. Inactive Wells.

After any period of two years during which there is no injection the Permittee shall plug and abandon the well in accordance with Part II Section E Paragraph 2 of this Permit unless the Permittee:

- (a) Provides written notice to the Director;
- (b) Describes the actions or procedures the Permittee will take to ensure that the well will not endanger USDWs during the period of inactivity. These actions and procedures shall include compliance with mechanical integrity demonstration, Financial Responsibility and all other permit requirements designed to protect USDWs; and
- (c) Receives written notice by the Director temporarily waiving plugging and abandonment requirements.

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PART III. CONDITIONS APPLICABLE TO ALL PERMITS

Section A. EFFECT OF PERMIT

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR 142 or may otherwise adversely affect the health of persons. Any underground injection activity not authorized by this Permit or by rule is prohibited. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of any other Federal, State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment, for any imminent and substantial endangerment to human health or the environment, nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations. Nothing in this Permit relieves the Permittee of any duties under applicable regulations.

Section B. CHANGES TO PERMIT CONDITIONS

1. Modification, Reissuance, or Termination.

The Director may, for cause or upon a request from the Permittee, modify, revoke and reissue, or terminate this Permit in accordance with 40 CFR 124.5, 144.12, 144.39, and 144.40. Also, this Permit is subject to minor modification for causes as specified in 40 CFR 144.41. The filing of a request for modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any condition of this Permit.

2. Conversions.

The Director may, for cause or upon a written request from the Permittee, allow conversion of the well from a Class II injection well to a non-Class II well. Conversion may not proceed until the Permittee receives written approval from the Director. Conditions of such conversion may include but are not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, well-specific monitoring and reporting following the conversion, and demonstration of practical use of the converted configuration.

3. Transfer of Permit.

Under 40 CFR 144.38, this Permit is transferable provided the current Permittee notifies the Director at least thirty (30) days in advance of the proposed transfer date (EPA Form 7520-7) and provides a written agreement between the existing and new Permittees containing a specific date for transfer of Permit responsibility, coverage and liability between them. The notice shall adequately demonstrate that the financial responsibility requirements of 40 CFR 144.52(a)(7) will be met by the new Permittee. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Safe Drinking Water Act; in some cases, modification or revocation and reissuance is mandatory.

4. Permittee Change of Address.

Upon the Permittee's change of address, or whenever the operator changes the address where monitoring records are kept, the Permittee must provide written notice to the Director within 30 days.

5. Construction Changes, Workovers, Logging and Testing Data

The Permittee shall give advance notice to the Director, and shall obtain the Director's written approval prior to any physical alterations or additions to the permitted facility. Alterations or workovers shall meet all conditions as set forth in this permit. The Permittee shall record any changes to the well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workovers, logging, or test data to EPA within sixty (60) days of completion of the activity.

Following the completion of any well workovers or alterations which affect the casing, tubing, or packer, a successful demonstration of mechanical integrity (Part III, Section F of this Permit) shall be made, and written authorization from the Director received, prior to resuming injection activities.

Section C. SEVERABILITY

The Provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be affected thereby.

Section D. CONFIDENTIALITY

In accordance with 40 CFR Part 2 and 40 CFR 144.5, information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee, and
- information which deals with the existence, absence or level of contaminants in drinking water.

Section E. GENERAL PERMIT REQUIREMENTS

1. Duty to Comply.

The Permittee must comply with all conditions of this Permit. Any noncompliance constitutes a violation of the Safe Drinking Water Act (SDWA) and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittee need not comply with the provisions of this Permit to the extent and for the duration such noncompliance is authorized in an emergency permit under 40 CFR 144.34. All violations of the SDWA may subject the Permittee to penalties and/or criminal prosecution as specified in Section 1423 of the SDWA.

2. Duty to Reapply.

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, under 40 CFR 144.37 the Permittee must apply for a new permit prior to the expiration date.

3. Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

4. Duty to Mitigate.

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.

5. Proper Operation and Maintenance.

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.

6. Permit Actions.

This Permit may be modified, revoked and reissued or teminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

7. Property Rights.

This Permit does not convey any property rights of any sort, or any exclusive privilege.

8. Duty to Provide Information.

The Permittee shall furnish to the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit. The Permittee is required to submit any information required by this Permit or by the Director to the mailing address designated in writing by the Director.

9. Inspection and Entry.

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

(a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit:

- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and,
- (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

10. Signatory Requirements.

All applications, reports or other information submitted to the Director shall be signed and certified according to 40 CFR 144.32. This section explains the requirements for persons duly authorized to sign documents, and provides wording for required certification.

11. Reporting Requirements.

- (a) Planned changes. The Permittee shall give notice to the Director as soon as possible of any planned changes, physical alterations or additions to the permitted facility, and prior to commencing such changes.
- (b) Anticipated noncompliance. The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (c) Monitoring Reports. Monitoring results shall be reported at the intervals specified in this Permit.
- (d) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- (e) Twenty-four hour reporting. The Permittee shall report to the Director any noncompliance which may endanger human health or the environment, including:
 - (i) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW; or
 - (ii) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

Information shall be provided, either directly or by leaving a message, within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning (800) 227-8917 and requesting EPA Region VIII UIC Program Compliance and Technical Enforcement Director, or by contacting the EPA Region VIII Emergency Operations Center at (303) 293-1788.

In addition, a follow up written report shall be provided to the Director within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

- (f) Oil Spill and Chemical Release Reporting: The Permittee shall comply with all reporting requirements related to the occurence of oil spills and chemical releases by contacting the National Response Center (NRC) at (800) 424-8802, (202) 267-2675, or through the NRC website http://www.nrc.uscg.mil/index.htm.
- (g) Other Noncompliance. The Permittee shall report all instances of noncompliance not reported under paragraphs Part III, Section E Paragraph 11(b) or Section E, Paragraph 11(e) at the time the monitoring reports are submitted. The reports shall contain the information listed in Paragraph 11(e) of this Section.
- (h) Other information. Where the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information to the Director.

Section F. FINANCIAL RESPONSIBILITY

1. Method of Providing Financial Responsibility.

The Permittee shall maintain continuous compliance with the requirement to maintain financial responsibility and resources to close, plug, and abandon the underground injection well(s). No substitution of a demonstration of financial responsibility shall become effective until the Permittee receives written notification from the Director that the alternative demonstration of financial responsibility is acceptable. The Director may, on a periodic basis, require the holder of a permit to revise the estimate of the resources needed to plug and abandon the well to reflect changes in such costs and may require the Permittee to provide a revised demonstration of financial responsibility.

2. Insolvency.

In the event of:

- (a) the bankruptcy of the trustee or issuing institution of the financial mechanism; or
- (b) suspension or revocation of the authority of the trustee institution to act as trustee; or

(c) the institution issuing the financial mechanism losing its authority to issue such an instrument

the Permittee must notify the Director in writing, within ten (10) business days, and the Permittee must establish other financial assurance or liability coverage acceptable to the Director within sixty (60) days after any event specified in (a), (b), or (c) above.

The Permittee must also notify the Director by certified mail of the commencement of voluntary or involuntary proceedings under Title 11 (Bankruptcy), U.S. Code naming the owner or operator as debtor, within ten (10) business days after the commencement of the proceeding. A guarantor, if named as debtor of a corporate guarantee, must make such a notification as required under the terms of the guarantee.

APPENDIX A

WELL CONSTRUCTION REQUIREMENTS

See diagram.

The Federal No.13-7-9-18 was drilled to a total depth of 5845 feet (KB) feet in the Wasatch Formation. Top of Wasatch is estimated to be 5836 feet. A plug back total depth (PBTD) of 5788 feet and 80% bond index cement bond across the Basal Carbonate Member, which cement bond is inferred to continue within the backside of the 5-1/2 inch casing opposite the Wasatch Formation, effectively seals the Wasatch Formation.

Surface casing (8-5/8 inch) was set at a depth of 309 feet in a 12-1/4 inch hole using 160 sacks of Class "G" cement which was circulated to the surface.

Production casing (5-1/2 inch) was set at a depth of 5831 feet (KB) in a 7-7/8 inch hole with 350 sacks of Premium Lite II and 450 sacks of 50/50 poz mix. This well construction is considered adequate to protect USDWs.

The EPA calculates the top of cement as 660 feet from the surface. The Cement Bond Log (CBL) identifies top of cement at 110 feet. CBL analysis does identify adequate 80% bond index cement bond within the Confining Zone.

The schematic diagram shows enhanced recovery injection perforations in the Douglas Creek Member of the Green River Formation. Additional perforations may be added at a later time between the depths of 3554 feet and the top of the Wasatch Formation (Estimated to be 5836 feet) provided the operator first notifies the Director and later submits an updated well completion report (EPA Form 7520-12) and schematic diagram.

The packer will be set no higher than 100 feet above the top perforation.

Project CARNE

UT 2/093-07352

FRAC JOB

Federal 13-7-9-18

Spud Date: 6-6-05 Put on Production: 7-5-05 'GL: 5089' KB: 5101'

Proposed Injection Wellbore Diagram

Initial Production: BOPD, 24 MCFD 14, BWPD 34

(339

1247

6-28-05 5537-5547 Cement top @ 110

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55 BISELISDUS WEIGHT: 24#

LENGTH: 7 jts. (299.011)

DEPTH LANDED: 309.01° KB HOLE SIZE:12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: 1-55

WEIGHT: 15.5#

LENGTH: 138 jts. (5833.3°)

DEPTH LANDED: 5831,30° KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 350 sxs Prem. Lite II & 450 sxs 50/50 POZ.

CEMENT TOP AT: 110

TUBING

3520-3568

SIZE/GRADE/WT.: 2-7/8" / J-55 NO. OF JOINTS: 176 jts (5512.49') TUBING ANCHOR: 5524.49' KB NO, OF JOINTS: 1 jts (31.43')

SEATING NIPPLE: 2-7/8" (1.10") SN LANDED AT: 5558.72' KB

NO, OF JOINTS: 2 jts (62.65')

TOTAL STRING LENGTH: EOT @ 5623' KB

Castle Peak 5308 5300

39179#'s 20/40 sand in 382 bbls Lightning 17 frac fluid. Treated @ avg press of 1023 psi w/avg rate of 24.6 BPM. ISIP 1400 psi. Calc flush: 5535 gal. Actual flush: 5250 gal.

Frac A1 sand as follows:

29276# s 20/40 sand in 309 bbls Lightnin 17 frac fluid, Treated @ avg press of 1920 psi w/avg rate of 24.6 BPM, ISIP 2200 psi, Calc thish: 4972 gal. Actual flush: 4704gal.

Frac C, sand as follows:

82 174# s 20/40 sand in 615 bbls Lightning 17 frac fluid. Treated @ avg press of 2028 psi w/avg rate of 24.7 BPM, ISIP 2600 psi, Calc flush: 4666 gal. Actual flush: 4452 gal.

Frac D2 sand as follows:

28867#'s 20/40 sand in 298 bbls Lightning 17 frac fluid. Treated @ avg press of 1911 psi w/avg rate of 24.8 BPM, ISIP 2200 psi, Cale flush: 4560 gal. Actual flush; 4465 gal.

2738-2778 Trond 2778-2796 Mahogany Bench

4974-5000

6-28-05 4562-4570

3356 -3554 Confining Zone 3554 Garden Gulch

4498 Douglas Craet

4562-4570

4974-4980

4983-4988

4994-5000

5537-5547

4668-4680

4684-4692

PERFORATION RECORD

40 holes 6-23-05 5537-5547** 4 ISPF 6-28-05 20 holes 6-28-05 4983-49881 4 JSPF 48 holes 6-28-05 4668-4680 1684-4692 32 holes 32 holes 6-28-05 4562-4570 4 JSPF

NEWFIELD

Federal 13-7-9-18 660° FSL & 660° FWL SW/SW Section 7-T9S-R18E Uintah Co, Utah API #43-047-35452; Lease #UTTU-16540 SHOE # SKILL Masskh 5836"

APPENDIX B

LOGGING AND TESTING REQUIREMENTS

Logs.

Logs will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well logging required as a condition of this permit.

NO LOGGING REQUIREMENTS

Tests.

Tests will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well test required as a condition of this permit.

TYPE OF TEST	DATE DUE
Standard Annulus Pressure	Prior to receiving authorization to inject and at least once within a five (5) year period following the last successful test.
Pore Pressure	Prior to receiving authorization to inject.

APPENDIX C

OPERATING REQUIREMENTS

MAXIMUM ALLOWABLE INJECTION PRESSURE:

Maximum Allowable Injection Pressure (MAIP) as measured at the surface shall not exceed the pressure(s) listed below.

	MAXIMUM ALLOWED INJECTION PRESSURE (psi)
WELL NAME	ZONE 1 (Upper)
Federal 13-7-9-18	1,140

INJECTION INTERVAL(S):

Injection is permitted only within the approved injection interval listed below. Injection perforations may be altered provided they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6. Specific injection perforations can be found in Appendix A.

L NAME: Federal 13-7-9-18		
	APPROVED INJECTION INTERVAL (KB, ft)	FRACTURE GRADIENT
FORMATION NAME	TOP BOTTOM	(psi/ft)
Green River	3,554.00 - 5,836.00	0.690

ANNULUS PRESSURE:

The annulus pressure shall be maintained at zero (0) psi as measured at the wellhead. If this pressure cannot be maintained, the Permittee shall follow the procedures listed under Part II, Section C. 6. of this permit.

MAXIMUM INJECTION VOLUME:

There is no limitation on the number of barrels per day (bbls/day) of water that shall be injected into this well, provided further that in no case shall injection pressure exceed that limit shown in Appendix C.

APPENDIX D

MONITORING AND REPORTING PARAMETERS

This is a listing of the parameters required to be observed, recorded, and reported. Refer to the permit Part II, Section D, for detailed requirements for observing, recording, and reporting these parameters.

OBSERVE I	MONTHLY AND RECORD AT LEAST ONCE EVERY THIRTY DAYS
	Injection pressure (psig)
OBSERVE AND	Annulus pressure(s) (psig)
RECORD Injection rate (bbl/day)	Injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbls)

	ANNUALLY
	Injected fluid total dissolved solids (mg/l)
451413/75	Injected fluid specific gravity
ANALYZE	Injected fluid specific conductivity
	Injected fluid pH

	ANNUALLY
	Each month's maximum and averaged injection pressures (psig)
	Each month's maximum and minimum annulus pressure(s) (psig)
DEDORT	Each month's injected volume (bbl)
REPORT	Fluid volume injected since the well began injecting (bbl)
	Written results of annual injected fluid analysis
	Sources of all fluids injected during the year

Records of all monitoring activities must be retained and made available for inspection at the following location:

Newfield Production Company 1401 Seventeenth Street - Suite 1000 Denver, CO 80202

APPENDIX E

PLUGGING AND ABANDONMENT REQUIREMENTS

See diagram.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs and in accordance with other applicable Federal, State or local law or regulation. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs. However, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. Within sixty (60) days after plugging, the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Seal Injection Zone: Set a cast iron bridge plug (CIBP) no more than fifty (50) feet above the top injection perforation. Place at least twenty (20) feet of cement plug on top of the CIBP.

PLUG NO. 2: Seal Mahogany Shale and Trona intervals: Squeeze a cement plug on the backside of the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale approximately 2690 feet to 2850 feet (unless pre-existing backside cement precludes cement-squeezing this interval) followed by a minimum 160-foot balanced cement plug inside the 5-1/2 inch casing across the Trona Zone and the Mahogany Shale, approximately 2690 feet to 2850 feet.

PLUG NO. 3: Seal USDWs: Squeeze a cement plug (1200 feet - 1300 feet) on the backside of the 5-1/2 inch casing across the base of the Uinta formation (unless pre-existing backside cement precludes cement-squeezing this interval), followed by a minimum 100-foot balanced cement plug inside the 5-1/2 inch casing across the base of the Uinta Formation, approximately 1200 feet to 1300 feet.

PLUG NO.4: Seal Surface: Set a Class "G" cement plug within the 5-1/2 inch casing to 380 feet and up the 5-1/2 inch by 8-5/8 inch casings annulus to the surface.

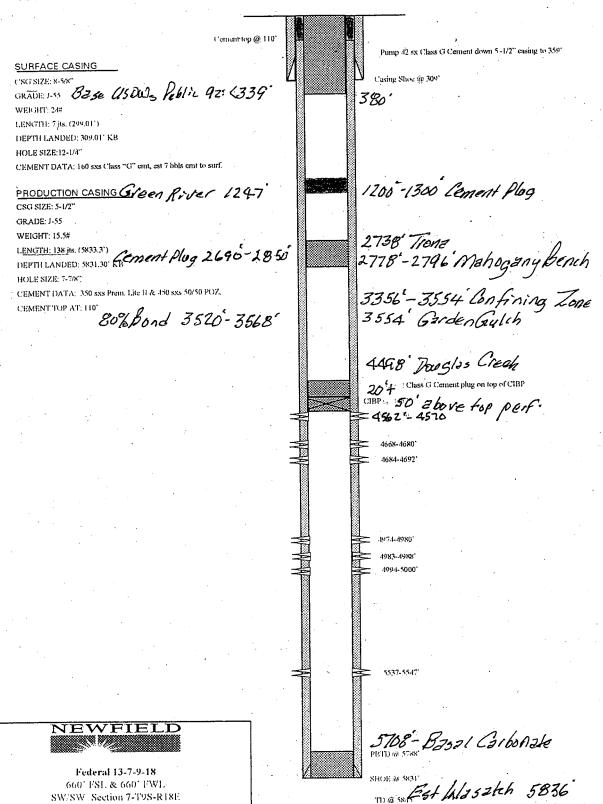
Federal 13-7-9-18

Spud Date: 6-6-05. Put on Production: 7-5-05

GL: 5089° KB: 5101°

Uintah Co. Utah API #43-047-35452; Lease #UTU-16540

Proposed P&A Wellbore Diagram



APPENDIX F

CORRECTIVE ACTION REQUIREMENTS

No corrective action is deemed necessary for this project.

	STATE OF UTAH			
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING			5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-16540	
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7. UNIT or CA AGREEMENT NAME: SUNDANCE UNIT	
1. TYPE OF WELL: OIL WELL GAS WELL OTHER			8. WELL NAME and NUMBER: FEDERAL 13-7-9-18	
2. NAME OF OPERATOR:				9. API NUMBER:
NEWFIELD PRODUCTION COM	IPANY			4304735452
3. ADDRESS OF OPERATOR:			PHONE NUMBER	10. FIELD AND POOL, OR WILDCAT:
Route 3 Box 3630	CITY Myton STATE UT	ZIP 84052	435.646.3721	MONUMENT BUTTE
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 660 FSL 660 FWL COUNTY: UINTAH				
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWSW, 7, T9S, R18E STATE: UT				STATE: UT
II. CHECK APPROI	PRIATE BOXES TO INDICAT	E NATURE	OF NOTICE, REP	ORT, OR OTHER DATA
TYPE OF SUBMISSION	JBMISSION TYPE OF ACTION			
NOTICE OF INTENE	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE	TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will	CASING REPAIR	NEW CONST	RUCTION	TEMPORARITLY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR :	CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND	ABANDON	VENT OR FLAIR
■ SUBSEOUENT REPORT	CHANGE WELL NAME	PLUG BACK		WATER DISPOSAL
(Submit Original Form Only)	X CHANGE WELL STATUS	PRODUCTIO	N (START/STOP)	WATER SHUT-OFF
Date of Work Completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMAT	ION OF WELL SITE	OTHER: - Injection Conversion
07/25/2008	X CONVERT WELL TYPE	RECOMPLE	TE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR CO	DMPLETED OPERATIONS. Clearly show:	all pertinent detail	s including dates, depths.	volumes, etc.

On 7/23/08 Margo Smith with the EPA was contacted concerning the initial MIT on the above listed well. Permission was given at that time to perform the test on 7/28/08. On 7/28/08 the csg was pressured up to 1190 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test.

EPA# UT21093-07352

API# 43-047-35452

Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

NAME (PLEASE PRINT) Callie Duncan	TITLE Production Clerk
SIGNATURE (Alle FOST	DATE 08/06/2008
C	

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RECEIVED AUG 1 1 2008

Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test U.S. Environmental Protection Agency

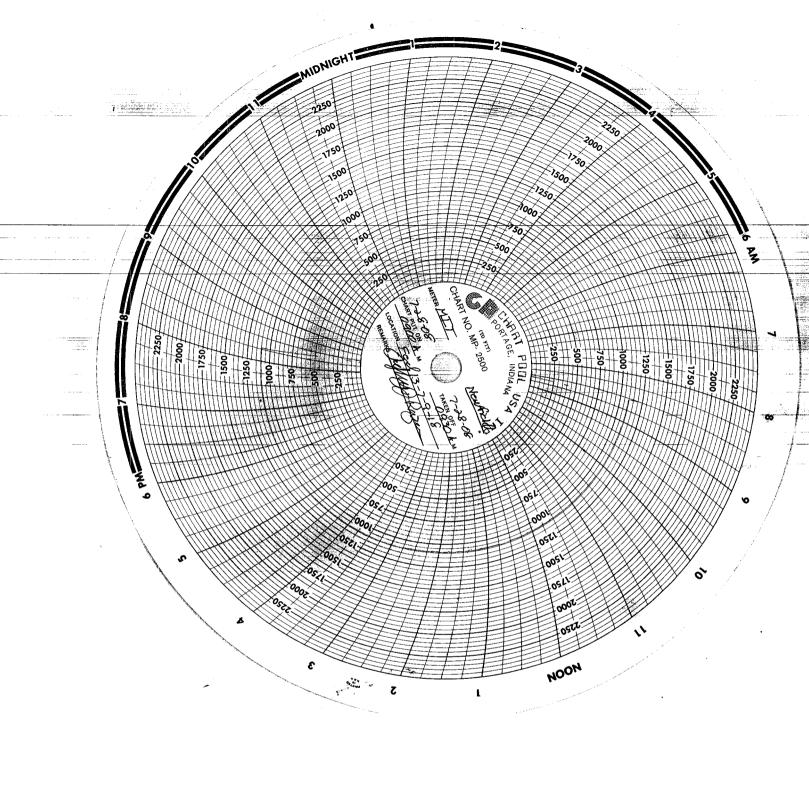
U.S. Environmental Protection Agency Underground Injection Control Program 999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: Test conducted by: 77c Others present:	Aky J.	Razu	Date: 7/28	
Oniers present.				
Field Many man	Butto	was seen and the	Type: ER SWD Sta	
Location: Su//Su/ Sec	e d 1 9	NO KI	W County: VINTA	Jan Stan Stan Stan Stan Stan Stan Stan St
Last MIT:/	<i>∕ief</i> / Max	imum Allow	able Pressure:	PSIG
Is this a regularly schedule Initial test for permit?	d test? []	Yes />	J No	
Test after well rework? Well injecting during test?			I No If Yes, rate:	bpdb
Well injecting during test:		.103 [X	J 110 11 103, 1410.	
Pre-test casing/tubing annulu	is pressure:	0	psig	
MIT DATA TABLE	Test #1		Test #2	Test #3
TUBING	PRESSURE			
Initial Pressure	9	psig	psig	psig
End of test pressure	0	psig	psig	psig
CASING / TUBING	ANNULUS	17	PRESSURE	
0 minutes	1190	psig	psig	psig
5 minutes	1190	psig	psig	psig
10 minutes	1190	psig	psig	psig
15 minutes	1190	psig	psig	psig
20 minutes	1190	* psig	psig	psig
25 minutes	1190	psig	psig	psig
30 minutes	1190	psig	psig	psig
minutes		psig	psig	psig
minutes		psig	psig	psig
RESULT	Pass	[]Fail	[] Pass []Fail	Pass Fail

Does the annulus pressure build back up after the test? [] Yes [> No MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness:	



Daily Activity Report

Format For Sundry FEDERAL 13-7-9-18 5/1/2008 To 9/30/2008

7/23/2008 Day: 1

Conversion

Basin #2 Swabbing on 7/22/2008 - MIRU Basin #2. RU HO trk & pump 70 BW dn annulus @ 250°F. RD pumping unit & unseat rod pump. Flush tbg & rods W/ 40 BW @ 250°F. Re-seat pump, soft joint rod string & strip off flow-T. Fill tbg W/ 12 BW. Pressure test tbg to 3000 psi. Retrieve rod string & unseat pump. LD rods (Detail shown below). Change over to tbg equipment. SIWFN.

7/24/2008 Day: 2

Conversion

Basin #2 Swabbing on 7/23/2008 - RU HO trk & pump 20 BW down thg @ 250°F. ND WH. NU BOP. POOH w/ tbg, Breaking & doping every connection w/ Liquid O-ring (144 jts of tbg). LD 10 jts of tbg on trailer. SIWFN.

7/25/2008 Day: 3

Conversion

Basin #2 Swabbing on 7/24/2008 - 0 psi on well. Finish LD tbg (25 jts). PU & RIH w/ 5 1/2" AS1 pkr, SN & 144 jts 2 7/8" J-55 tbg. Ran SV in place & pressure test on the way in hole. Final test on tbg to 3000 psi with no pressure lose. RU sandline. Fish SV. RD sandline. ND BOP. Land tbg on flange. Pumped pkr fluid w/ 60 bbls of fresh wtr. Unland tbg. Set pkr w/ 16,000#'s of tension @ 4509'. Land tbg on flange. Try to pressure test annulus. Pumped a total of 80 BW down annulus. Pressure up to 1400 psi. Pressure bled off as soon as hot oiler shut down. Unland tbg. Release pkr. LD 1 jt of tbg. Reset pkr. Tried to pressure test annulus again, Same pressure lose as before. SIWFN.

7/26/2008 Day: 4

Conversion

Basin #2 Swabbing on 7/25/2008 - 0 psi on well. NU BOP. LD 5 jts tbg. Tried to reset pkr & test annulus. Pkr would not set (Work pkr for 45 mins, Could not pull tension on pkr). Talley out of hole w/ tbg. Change out AS1 pkr(J- lugs on pkr were sheared off). PU & RIH w/ 5 1/2" AS1 pkr, SN & 144 jts 2 7/8" J-55 tbg. Ran SV in place. Pressure test tbg to 3000 psi, Good. RU sandline. Fish SV. RD sandline. ND BOP. Land tbg on flange. Pumped pkr fluid w/ 60 bbls of fresh wtr. Unland tbg. Set pkr w/ 16,000#'s of tension @ 4525'. Land tbg on flange. Try to pressure test annulus. Pumped a total of 60 BW down annulus. Pressure up to 1500 psi, No pressure lose in 30 mins. RDMOSU. READY FOR MIT!!!.

8/5/2008 Day: 5

Conversion

Rigless on 8/4/2008 - On 7/23/08 Margo Smith with the EPA was contacted concerning the initial MIT on the above listed well (Fed 13-7-9-18). Permission was given at that time to perform the test on 7/28/08. On 7/28/08 the csg was pressured up to 1190 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbg pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT21093-07352 API# 43-047-35452



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8 1595 Wynkoop Street DENVER, CO 80202-1129 Phone 800-227-8917 http://www.epa.gov/region08

AUG 1 4 2008

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DIV. OF OIL, GAS & MINING

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Michael Guinn District Manager Newfield Production Company Route 3 - Box 3630 Myton, Utah 84052 Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

RE:

Authority to Commence Injection

Federal No. 13-7-9-18 SW SW Section 7-T9S-R18E **EPA Permit No. UT21093-07352**

Uintah County, Utah API No.: 43-047-35452

Dear Mr. Guinn:

Newfield Production Company (Newfield) has satisfactorily completed Environmental Protection Agency's (EPA) <u>Prior to Commencing Injection</u> requirements for Final Permit UT21093-07352, effective May 22, 2008. The Part I (Internal) Mechanical Integrity Test (MIT), Well Rework Record (EPA Form No. 7520-12), schematic diagram, and pore pressure were reviewed and approved by EPA August 12, 2008.

As of the date of this letter, Newfield is authorized to commence injection into Federal No. 13-7-9-18 at a maximum allowable injection pressure (MAIP) of **1140 psig.** Until such time as the Permittee demonstrates through a Step-Rate Test (SRT) that the Fracture Gradient (FG) is other than 0.690 psi/ft, Federal No. 13-7-9-18 shall be operated at a MAIP no greater than **1140 psig.**

As of this approval, responsibility for Permit compliance and enforcement is transferred to the Region 8 UIC Technical Enforcement Program office. Therefore, please direct all monitoring and compliance correspondence to the following address, referencing your well name and UIC Permit number on all correspondence regarding this well:

> Mr. Nathan Wiser Technical Enforcement Program - UIC U.S. EPA Region 8: Mail Code ENF-UFO 1595 Wynkoop Street Denver, CO 80202-1129

Or, you may reach Mr. Wiser by telephone at 303-312-6211, or 1-800-227-8917, ext. 312-6211.

Please remember that it is your responsibility to be aware of and to comply with all conditions of Permit UT21093-07352.

If you have any questions in regard to the above action, please contact Emmett Schmitz at 303-312-6174 or 1-800-227-8917, ext. 312-6174.

Sincerely,

Assistant Regional Administrator
Office Of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee-Ute Indian Tribe:

Curtis Cesspooch, Chairman Irene Cuch, Vice-Chairwoman Frances Poowegup, Councilwoman Ronald Groves, Councilman Steven Cesspooch, Councilman Phillip Chimburas, Councilman

Daniel Picard Superintendent Uintah & Ouray Indian Agency U.S. Bureau of Indian Affairs

Eric Sundberg Regulatory Analyst Newfield Production Company Denver, CO

Shaun Chapoose Director Land Use Dept. Ute Indian Tribe

Larry Love Director Energy & Minerals Dept. Ute Indian Tribe

Elaine Willie Gap Coordinator Ute Indian tribe

Gilbert Hunt Assistant Director State of Utah - Natural Resources

Fluid Minerals Engineering Office U.S. Bureau of Land Management Vernal, Utah

STATE OF UTAH

	5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-16540		
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7. UNIT OF CA AGREEMENT NAME: SUNDANCE UNIT
1. TYPE OF WELL: OIL WELL GAS WELL OTHER			8. WELL NAME and NUMBER: FEDERAL 13-7-9-18
2. NAME OF OPERATOR:			9. API NUMBER:
NEWFIELD PRODUCTION COM	<u>IPANY</u>		4304735452
3. ADDRESS OF OPERATOR:	No.	PHONE NUMBER	10. FIELD AND POOL, OR WILDCAT:
Route 3 Box 3630 4. LOCATION OF WELL:	CITY Myton STATE UT	ZIP 84052 435.646.3721	MONUMENT BUTTE
FOOTAGES AT SURFACE: 660 FSL 66	50 FWL		COUNTY: UINTAH
OTR/OTR, SECTION, TOWNSHIP, RANGE.	MERIDIAN: SWSW, 7, T9S, R18E		STATE: UT
n. CHECK APPROI	PRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
X NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
	CASING REPAIR	New construction	TEMPORARITLY ABANDON
Approximate date work will	1=	=	_
10/01/2008	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
_	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLAIR
SUBSEOUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
	CHANGE WELL STATUS	PRODUCTION (START/STOP)	WATER SHUT-OFF
Date of Work Completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER: - Change status, put well in injection
	X CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
	was put on injection at 11:00 AM on	Accepted by the Accepted Division of Litch Division of Oil, Gas and Mining FOR RECORD ONLY	
NAME (PLEASE PRINT) Kathy Chapma	an	TITLE Office Manager	

DATE___10/02/2008

(This space for State use only)

SIGNATURE

RECEIVED OCT 0 6 2008

DIV OF OIL, GAS & MINING

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION	AND SERIAL NUMBER
USA UTU-16540	

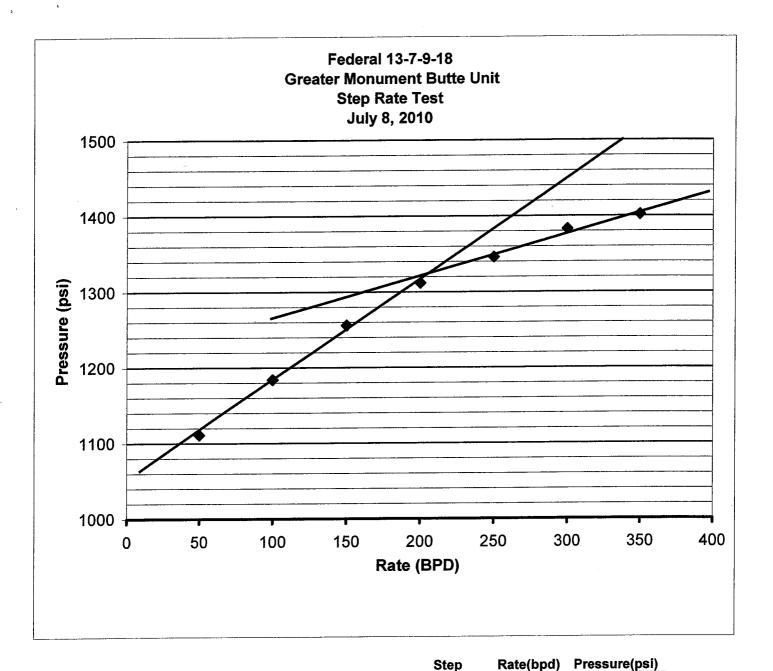
	,		05/10/10 100/10
SUNDRY	Y NOTICES AND REPO	ORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to dr	rill new wells, significantly deepen existing wells be tal laterals. Use APPLICATION FOR PERMIT TO	elow current bottom-hole depth, reenter plugged DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME: GMBU
TVDE OF WELL			8. WELL NAME and NUMBER:
OIL WELL	GAS WELL OTHER		FEDERAL 13-7-9-18
2. NAME OF OPERATOR:			9. API NUMBER:
NEWFIELD PRODUCTION COM	MPANY		4304735452
3. ADDRESS OF OPERATOR:		PHONE NUMBER	10. FIELD AND POOL, OR WILDCAT:
Route 3 Box 3630	CITY Myton STATE UT	ZIP 84052 435.646.3721	GREATER MB UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 660 FSL 66	40 EWI		COUNTY: UINTAH
FOOTAGES AT SURFACE: 000 FSL 0	OU I W L		
OTR/OTR. SECTION. TOWNSHIP. RANGE	MERIDIAN: SWSW, 7, T9S, R18E		STATE: UT
CHECK APPRO	PRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
	CASING REPAIR	New construction	TEMPORARITLY ABANDON
Approximate date work will	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
			VENT OR FLAIR
<u> </u>	CHANGE TUBING	PLUG AND ABANDON	
SUBSEOUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/STOP)	WATER SHUT-OFF
Date of Work Completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	X OTHER: - Step Rate Test
07/08/2010	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
A step rate test was condu	OMPLETED OPERATIONS. Clearly show acted on the subject well on July 8,20 uesting that the maximum allowable	010. Results from the test indicate t	hat the fracture gradient is .729 psi/ft.
•			
		Accepted by the Utah Division of	
0-		Oil, Gas and Mining	1
American de la constante de la		FOR RECORD ONL	<u>.</u> Y
.,			
NAME (PLEASE PRINT) Lucy Chavez-	Naupoto	TITLE Administrative As:	sistant
// -	B - (1)	05/01/0010	
SIGNATURE TURE	Ong MP2	DATE 07/21/2010	
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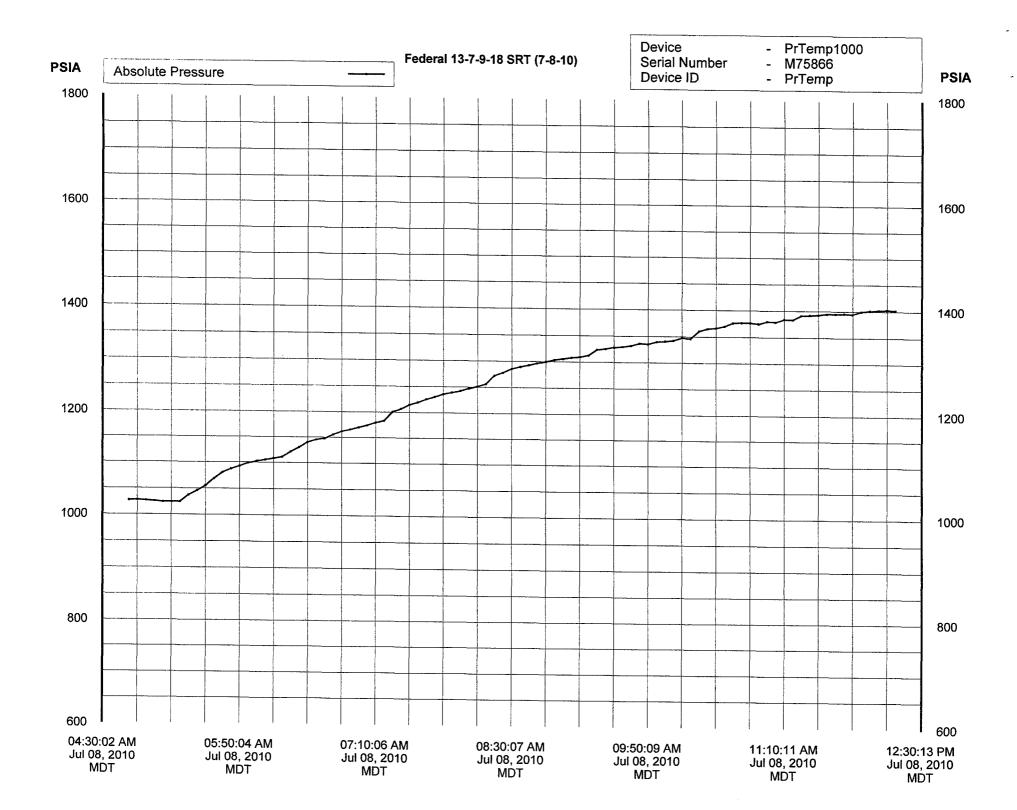
PECEIVED
JUL 2 6 2010

Step Rate Test (SRT) Analysis

Date: 07/21/2010	Operator:	11011110101111	pauction Co			
	Well:	Federal 13-7	Federal 13-7-9-18			
	Permit #:	UT21093-07	352			
Enter the	e following data :					
	Specific Gra	avity (sg) of injectate =	1.015	g/a		
		top perforation (D) =	4562	gr feet		
Top of permitted injection zone d	4	1 1 0 · · · · · · · · · · · · · · · · ·		feet		
	mation Parting Pressure (P)		1320	psi		
	tantaneous Shut In Pressur		1382	psi	1320	
Bottom Hole Parting F	Pressure (Pbhp) from downho	ole pressure recorder =		psi	no don	
Part One - Calculation	Calculated Fract	ure Gradient =	0.729	psi/ft.		
	Calculated Fract	ure Gradient = where:fg = Pbbp / D (Note: this formula e		 ' "	isle) = 1382	
Part One - Calculation D = depth used = 4562	Calculated Fract	ure Gradient =		 ' "	ide) = 1382	
D = deptb used = 4562	Calculated Fract	ture Gradient = where: fg = Pbbp / D (Note: this formula s bp used = 3325		 ' "	j(e) = 1382 3324.	
D = deptb used = 4562	Calculated Fract	ture Gradient = where: fg = Pbbp / D (Note: this formula s bp used = 3325	uses the downhole recorded botto. 3325	m hole parting pressure if availal		
D = deptb used = 4562	Calculated Fract	where: fg = Pbhp / D (Note: this formula s bp used = 3325 Pressure (Pbhp) =	uses the downhole recorded botto. 3325	m hole parting pressure if availal		
D = deptb used = 4562	Calculated Fract Pbl Bottom Hole Parting F to calculate Bottom Hole Parting Pres	where: fg = Pbhp / D (Note: this formula s bp used = 3325 Pressure (Pbhp) =	uses the downhole recorded botto. 3325	m hole parting pressure if availal		
D = deptb used = 4562	Calculated Fracts Pbi Bottom Hole Parting F to calculate Bottom Hole Parting Press (Uses lesser of ISIP or Pfp) Valu	where: fg = Pohp / D (Note: this formula to his used = 3325 Pressure (Phhp) =	sses the downhole recorded botto. 3325 ISIP or Pfp) + (0.433 * SG	m hole parting pressure if availal psi D)		
D = depth used = 4562 Calculated B	Calculated Fract. Pb. Bottom Hole Parting F to calculate Bottom Hole Parting Press (Uses lesser of ISIP or Pfp) Value	where: fg = P6hp / D (Note: this formula is hip used = 3325 Pressure (Pbhp) = sure (Pbhp) = Formation Fracture Pressure (in used = 1320	sses the downhole recorded botto. 3325 ISIP or Pfp) + (0.433 * SG	m hole parting pressure if availal psi D)		



			7.77		
Start Pressure:	1024	psi	1	50	1111
Instantaneous Shut In Pressure (ISIP):	1382		2	100	1184
Top Perforation:	4562 f		3	150	1256
Fracture pressure (Pfp):	1320		4	200	1312
FG:	0.729		5	250	1346
10.			6	300	1383
			7	350	1402



Report Name: Report Date: PrTemp1000 Data Table Jul 08, 2010 02:58:35 PM MDT File Name: Title:

C:\Program Files\PTC® Instruments 2.00\Federal 13-7-9-18 SRT (6-8-10).csv Federal 13-7-9-18 SRT (7-8-10)
PrTemp1000 - Temperature and Pressure Recorder

REV2C (64K) M75866 PrTemp

Jul 08, 2010 04:45:08 AM MDT Jul 08, 2010 12:15:07 PM MDT Data Start Date: Data End Date:

2 Seconds Reading Rate: Readings: Last Calibration Date: 1 to 91 of 91 May 22, 2009 May 22, 2010 **Next Calibration Date:**

Device:

Device ID:

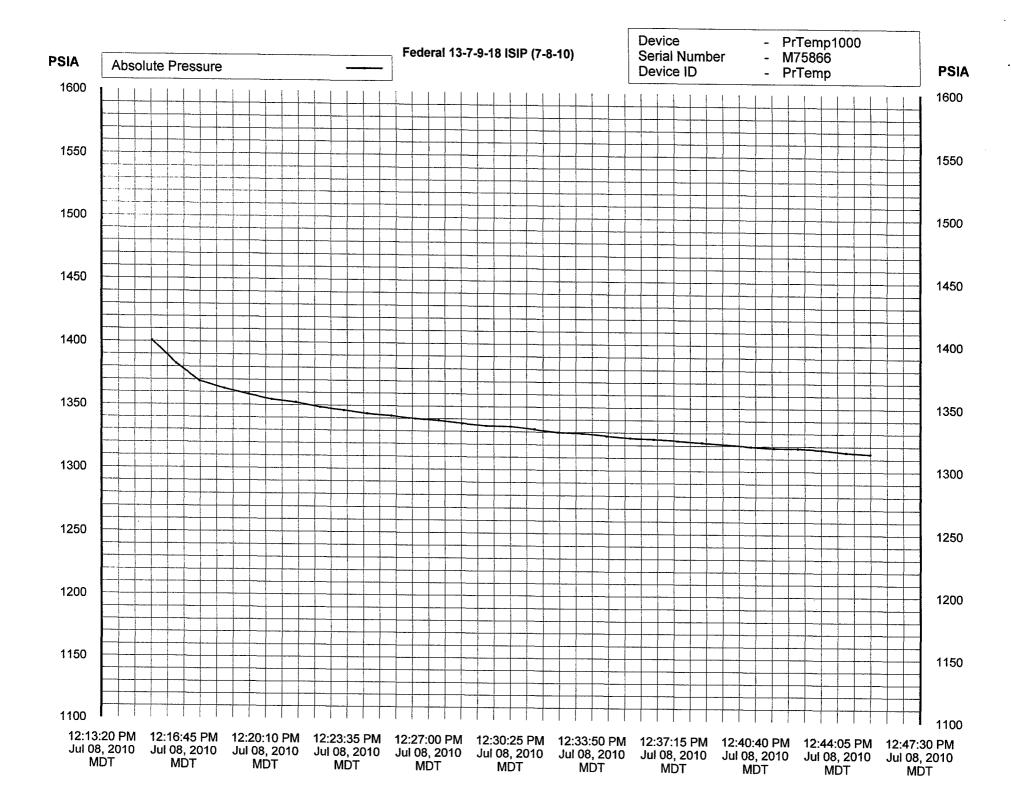
Hardware Revision:

Serial Number:

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69	Jul 08, 2010 10:25:06 AM	1364.800 PSIA
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72	Jul 08, 2010 10:40:07 AM	1376.200 PSIA
73	Jul 08, 2010 10:45:07 AM	1376.800 PSIA
74	Jul 08, 2010 10:50:06 AM	1376.400 PSIA
75	Jul 08, 2010 10:55:06 AM	1374.800 PSIA
76	Jul 08, 2010 11:00:05 AM	1379.800 PSIA
7 7	Jul 08, 2010 11:05:07 AM	1378.600 PSIA
78	Jul 08, 2010 11:10:06 AM	1384.000 PSIA
79	Jul 08, 2010 11:15:07 AM	1383.400 PSIA
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83	Jul 08, 2010 11:35:06 AM	1394.600 PSIA
84	Jul 08, 2010 11:40:06 AM	1395.200 PSIA
85	Jul 08, 2010 11:45:06 AM	1395.600 PSIA
86	Jul 08, 2010 11:50:06 AM	1394.600 PSIA
87	Jul 08, 2010 11:55:06 AM	1399.800 PSIA
88	Jul 08, 2010 12:00:08 PM	1401.400 PSIA 1402.400 PSIA
89	Jul 08, 2010 12:05:07 PM	1402.400 PSIA 1403.200 PSIA
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91	Jul 08, 2010 12:15:07 PM	1402.200 FOIA

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Report Name: Report Date: PrTemp1000 Data Table Jul 08, 2010 02:58:27 PM MDT

C:\Program Files\PTC® Instruments 2.00\Federal 13-7-9-18 ISIP (7-8-10).csv Federal 13-7-9-18 ISIP (7-8-10) File Name:

PrTemp1000 - Temperature and Pressure Recorder

REV2C (64K) M75866 PrTemp

Jul 08, 2010 12:15:25 PM MDT Jul 08, 2010 12:45:26 PM MDT Data Start Date: Data End Date:

2 Seconds 1 to 31 of 31 Reading Rate: Readings: May 22, 2009 May 22, 2010 Last Calibration Date: **Next Calibration Date:**

Title:

Device:

Device ID:

Hardware Revision: Serial Number:

Reading	Date and Time (MDT)	Absolute Pressure	Annotation
1	Jul 08, 2010 12:15:25 PM	1400.600 PSIA	
2	Jul 08, 2010 12:16:26 PM	1382.400 PSIA	
3	Jul 08, 2010 12:17:24 PM	1368.800 PSIA	
4	Jul 08, 2010 12:18:26 PM	1363.000 PSIA	
5	Jul 08, 2010 12:19:26 PM	1358.400 PSIA	
6	Jul 08, 2010 12:20:25 PM	1354.400 PSIA	
7	Jul 08, 2010 12:21:25 PM	1352.200 PSIA	
8	Jul 08, 2010 12:22:26 PM	1348.400 PSIA	
9	Jul 08, 2010 12:23:26 PM	1346.200 PSIA	
10	Jul 08, 2010 12:24:25 PM	1343.600 PSIA	
11	Jul 08, 2010 12:25:26 PM	1342.000 PSIA	
12	Jul 08, 2010 12:26:26 PM	1340.000 PSIA	
13	Jul 08, 2010 12:27:25 PM	1338.600 PSIA	
14	Jul 08, 2010 12:28:25 PM	1336.400 PSIA	
15	Jul 08, 2010 12:29:25 PM	1334.600 PSIA	
16	Jul 08, 2010 12:30:25 PM	1334.200 PSIA	
17	Jul 08, 2010 12:31:25 PM	1332.000 PSIA	
18	Jul 08, 2010 12:32:25 PM	1329.800 PSIA	
19	Jul 08, 2010 12:33:25 PM	1329.000 PSIA	
20	Jul 08, 2010 12:34:26 PM	1327.200 PSIA	
21	Jul 08, 2010 12:35:26 PM	1325.600 PSIA	
22	Jul 08, 2010 12:36:25 PM	1324.800 PSIA	
23	Jul 08, 2010 12:37:25 PM	1323.800 PSIA	
24	Jul 08, 2010 12:38:26 PM	1322.400 PSIA	
25	Jul 08, 2010 12:39:26 PM	1321.000 PSIA	
26	Jul 08, 2010 12:40:28 PM	1319.600 PSIA	
27	Jul 08, 2010 12:41:26 PM	1318.600 PSIA	
28	Jul 08, 2010 12:42:26 PM	1318.400 PSIA	
29	Jul 08, 2010 12:43:25 PM	1317.400 PSIA	
30	Jul 08, 2010 12:44:26 PM	1315.400 PSIA	
31	Jul 08, 2010 12:45:26 PM	1314.200 PSIA	

Federal 13-7-9-18 Rate Sheet (7-8-10)

	:Time:	5:20	5:25	5:30	5:35	5:40	5:45
Step # 1	Rate	50.5	50.5	50.5	50.5	50.4	50.4
	Time:	5:50	5:55	6:00	6:05	6:10	6:15
	Rate	50.4	50.4	50.4	50.4	50.4	50.2
	Time	6:20	6:25	6:30	6:35	6:40	6:45
Step # 2	Rate.	100.5	100.5	100.5	100.4	100.4	100.4
	* Time: 3	6:50	6:55	7:00	7:05	7:10	7:15
	Rate:	100.4	100.3	100.3	100.3	100.3	100.3
	Time:	7:20	7:25	7:30	7:35	7:40	7:45
Step # 3	Rate	150.4	150.4	150.4	150.4	150.4	150.3
	- Time:	7:50	7:55	8:00	8:05	8:10	8:15
	. Rate:	150.3	150.3	150.3	150.2	150.2	150.2
	Time	8:20	8:25	8:30	8:35	8:40	8:45
Step # 4	Rate	200.6	200.6	200.6	200.5	200.5	200.5
	Time:	8:50	8:55	9:00	9:05	9:10	9:15
	. ≀Rate:	200.5	200.4	200.4	200.4	200.4	200.3
Step # 5	Time:	9:20	9:25	9:30	9:35	9:40	9:45
	Rate.	250.5	250.5	250.4	250.4	250.4	250.3
	", Time:	9:50	9:55	10:00	10:05	10:10	10:15
	Rate	250.3	250.3	250.3	250.2	250.2	250.2
Step # 6	Time:	10:20	10:25	10:30	10:35	10:40	10:45
Sicp#0	Rate:	300.5	300.4	300.4	300.4	300.4	300.4
		40.50	40.55	11:00	11:05	11:10	11:15
	Time::∤ ⊶Rate:	10:50 300.3	10:55 300.3	300.2	300.2	300.2	300.2
	Naic.					000.2	
a. ##	Time:	11:20	11:25	11:30	11:35	11:40	11:45
Step # 7	Rate:	350.4	350.4	350.3	350.3	350.3	350.2
	Time:	11:50	11:55	12:00	12:05	12:10	12:15
	Rate.	350.2	350.2	350.2	350.2	350.1	350.1
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				•			



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 8

1595 Wynkoop Street Denver, CO 80202-1129 Phone 800-227-8917 http://www.epa.gov/region08

MUL 3 0 2010

Ref: 8P-W-GW

CERTIFIED MAIL RETURN RECEIPT REQUESTED

Mr. Michael Guinn District Manager Newfield Production Company Route 3-Box 3630 Myton, UT 84502 Accepted by the Utah Division of Oil, Gas and Mining ONLY

RE: Underground Injection Control (UIC)
Minor Permit Modification
Authorization to Continue Injection
EPA UIC Permit UT21093-07352

Well: Federal 13-7-9-18 SWSW Sec. 7 T9S-R18E Uintah County, UT

API No.: 43-047-35452

Dear Mr. Guinn:

The Environmental Protection Agency Region 8 (EPA) has received Newfield Production Company's (Newfield) July 21, 2010, letter with enclosures requesting an increase in the Maximum Allowable Injection Pressure (MAIP) for the Federal 13-7-9-18 well. Newfield's interpretation of the enclosed Step Rate Test (SRT) data concluded the fracture gradient to be 0.729 psi/ft. However, EPA's analysis of the data determined the fracture gradient to be 0.725 psi/ft., resulting in a calculated MAIP of 1,300 psig. Therefore, the MAIP for UIC Permit UT21093-07352 is hereby increased to 1,300 psig from the 1,140 psig previously authorized.

As of the date of this letter, EPA authorizes continued injection into the Federal 13-7-9-18 well under the terms and conditions of UIC Permit UT21093-07352 at the MAIP of 1,300 psig.

You may apply for a higher MAIP at a later date. Your application should be accompanied by the interpreted results of a SRT that measures the fracture parting pressure and determines the fracture gradient at the injection depth and location. A current copy of EPA guidelines for running and interpreting a SRT will be sent upon request.

RECEIVED
AUG 0 4 2010

As of this approval, responsibility for permit compliance and enforcement is transferred to the EPA Region 8 UIC Technical Enforcement Program Office. Therefore, please direct all future notification, reporting, monitoring and compliance correspondence to the following address, referencing the well name and UIC Permit number on all correspondence regarding this well:

US EPA, Region 8 Attn: Nathan Wiser MC: ENF-UFO 1595 Wynkoop Street Denver, CO 80202

For questions regarding notification, testing, monitoring, reporting or other permit requirements, Nathan Wiser of the UIC Technical Enforcement Program may be reached by calling 800-227-8917 (ext. 312-6211). Please be reminded that it is your responsibility to be aware of and to comply with all conditions of your Permit.

If you have any questions regarding this approval, please call Tom Aalto at 303-312-6949 or 800-227-8917 (ext. 312-6949).

Sincerely,

Stephen S. Tuber

Assistant Regional Administrator

Office of Partnerships and Regulatory Assistance

cc: Uintah & Ouray Business Committee:

Curtis Cesspooch, Chairman
Frances Poowegup, Vice-chairwoman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Irene Cuch, Councilwoman
Richard Jenks, Jr., Councilman

Daniel Picard BIA - Uintah & Ouray Indian Agency

Mike Natchees Environmental Coordinator Ute Indian Tribe Sundry Number: 39085 API Well Number: 43047354520000

	STATE OF UTAH		FORM 9
ı	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-16540
SUNDR	RY NOTICES AND REPORTS (ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	oposals to drill new wells, significantly or reenter plugged wells, or to drill horizor n for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Water Injection Well			8. WELL NAME and NUMBER: FEDERAL 13-7-9-18
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		9. API NUMBER: 43047354520000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-4825	PHONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FSL 0660 FWL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: SWSW Section:	HIP, RANGE, MERIDIAN: 07 Township: 09.0S Range: 18.0E Merid	ian: S	STATE: UTAH
11. CHECI	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
6/13/2013	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT			
Report Date:	│	SI TA STATUS EXTENSION	APD EXTENSION
	WILDCAT WELL DETERMINATION	▼ OTHER	OTHER: 5 YR MIT
5 YR MIT perforr casing was pressure loss pressure was 9 representative av	completed operations. Clearly show a med on the above listed well ed up to 1910 psig and chars. The well was injecting duri 930 psig during the test. Ther vailable to witness the test. E	On 06/13/2013 the ted for 30 minutes with ng the test. The tbg e was not an EPA PA #UT22197-07352	Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 19, 2013
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMB! 435 646-4874	TITLE Water Services Technician	
SIGNATURE N/A		DATE 6/17/2013	

Sundry Number: 39085 API Well Number: 43047354520000

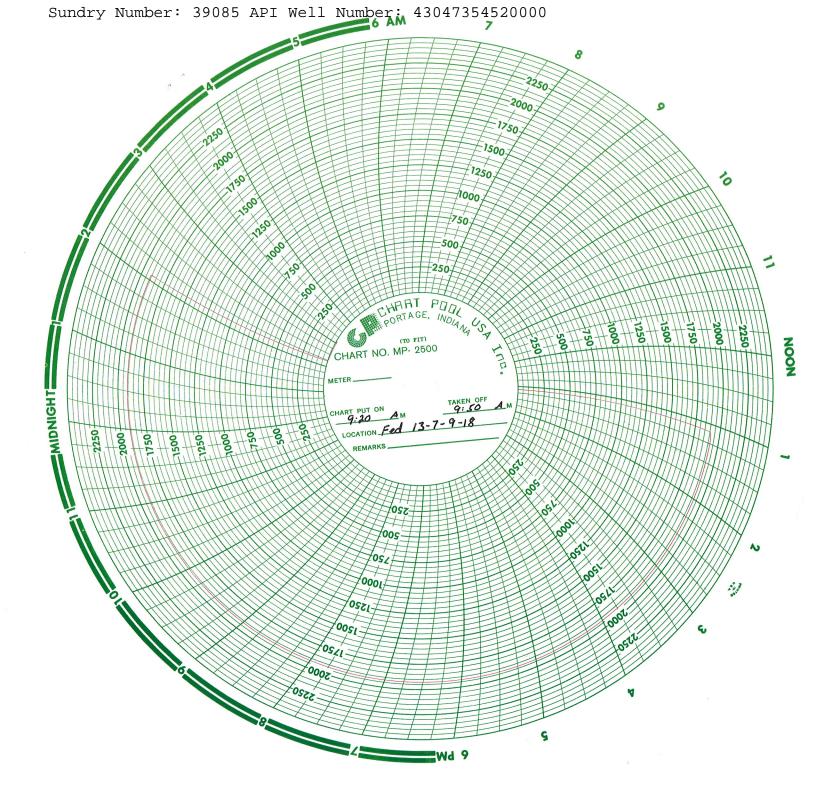
Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test U.S. Environmental Protection Agency Underground Injection Control Program 999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness:			Date: _	6113	13	
Test conducted by: 3127	Stubbs					
Others present:	n Curry					-9
Well Name: Federal Field: Greater Manual Location: 13 Sec:		N (S) R 18	Type: ER SW		s: AC TA UC State: 1/1.	
Operator: <u>New Field I</u> Last MIT:/	Production Co	mp.	ble Pressure:		PSIG	_
Is this a regularly scheduled test? Initial test for permit? Initial test for permit. Initial						
MIT DATA TABLE	Test #1		Test #2		Test #3	
TUBING	PRESSURE					
Initial Pressure	930	psig		psig		psig
End of test pressure	930	psig		psig		psig
CASING / TUBING	ANNULUS		PRESSURE			
0 minutes	1910	psig		psig		psig
5 minutes	1910	psig		psig	-	psig
10 minutes	1910	psig		psig		psig
15 minutes	1910	psig		psig		psig
20 minutes	1910	psig		psig		psig
25 minutes	1910	psig		psig		psig
30 minutes	1910	psig		psig		psig
minutes		psig		psig		psig
minutes		psig		psig		psig
RESULT	[] Pass	[]Fail	[] Pass	[]Fail	Pass []Fail
D 11 1 1 1	م ما ادان	w the test ?	[] Vec	I No		

Does the annulus pressure build back up after the test? [] Yes MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness:	



NEWFIELD **Schematic** Well Name: Federal 13-7-9-18 State/Province Field Name County GMBU CTB10 UINTAH Surface Legal Location API/UWI Well RC 43047354520000 500150969 07-9S-18E Utah Original KB Elevation (ft) Total Depth All (TVD) (ftKB) PBTD (All) (ftKB) Rig Release Date On Production Date 6/6/2005 6/14/2005 7/5/2005 5,101 5,089 Original Hole - 5,787.7 Most Recent Job Job Category Secondary Job Type Job Start Date Job End Date Primary Job Type 6/17/2013 6/17/2013 Testing N/A TD: 5,845.0 Vertical - Original Hole, 7/28/2015 9:13:54 AM TVD (ftKB) MD (ftKB) Incl (°) DLS Vertical schematic (actual) DLS (° 12.1 109.9 267.7 308.1 1; Surface; 8 5/8 in; 8.097 in; 12-309 ftKB; 297.00 ft 309.1 321.9 4-1; Tubing; 2 7/8; 2.441; 12-4,521; 4,508.90 4,521.0 4-2; Seating Nipple; 2 7/8; 2.441; 4,521-4,522; 1.10 4,522.0 4-3; Packer; 5 1/2; 2.441; 4,522-4,529; 7.40 4,529.5 4,562.0 Perf; 4,562-4,570; 6/28/2005 4,569.9 4,668.0 Perf; 4,668-4,680; 6/28/2005 4,680.1 4,684.1 Perf; 4,684-4,692; 6/28/2005 4,691.9 4,974.1 Perf; 4,974-4,980; 6/28/2005 4,980.0 4,982.9 Perf; 4,983-4,988; 6/28/2005 4,987.9 4,994.1 Perf; 4,994-5,000; 6/28/2005 5,000.0 5,537.1 Perf; 5,537-5,547; 6/28/2005 5.546.9 5,787.7 5,788.4 5,830.7 2; Production; 5 1/2 in; 4.950 in; 12-5,831 ftKB; 5,819.30 ft 5,831.4 5,845.1

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Newfield Wellbore Diagram Data Federal 13-7-9-18

			· · · · · · · · · · · · · · · · · · ·			LASARA		T	
Surface Legal Location 07-9S-18E						43047354520000		Lease	
County UINTAH			State/Province Utah			Basin		Field Name GMBU CTB10	
Well Start Date	/6/2005		Spud Date	6/6/2	2005	Final Rig Release Date 6/14/2005		On Production Date 7/5/:	2005
Original K8 Elevation (f	t) Ground Elevi		Total Depth (ft			Total Depth All (TVD) (ftKE		PBTD (All) (ftKB)	
5,1	01	5,089			5,845.0			Original Hole - 5,787	7.7
Casing Strings	25.5		D F		00 (5)	15.55	T 1000 - 1000	i	0-10-20-20-20-20-
Surface	Csg Des		Run E 6/7/2005	ate	OD (in) 8 5/8	ID (in) 8.097	Wt/Len (lb/ft) 24,00	Grade J-55	Set Depth (ftKB)
Production			6/14/2005		5 1/2	4.950	15.50	J-55	5,831
Cement						<u> </u>	<u> </u>	<u> </u>	
String: Surface,	309ftKB 6/7	/2005						200 (100 (100 (100 (100 (100 (100 (100 (\$7.5 har to
Cementing Company						Top Depth (ftKB) 12.0	Bottom Depth (ftKB) 322.0	Full Return?	Val Cement Ret (bbl)
BJ Services Com Fluid Description	pany					Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
Class "G" w/ 2% (yield	CaCL2 + 1/4	#/sk Cello-	Flake mixed	d @ 15.8	ppg 1.17 cf/sk	Lead	160	G	12.
String: Production	on 5.831ffKi	R 6/14/20)5			<u> </u>	<u> </u>	<u> </u>	
Cementing Company					marketing and the second	Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbi)
BJ Services Com Fluid Description	pany					110.0 Fluid Type	5,845.0 Amount (sacks)	Class	Estimated Top (ftKB)
Premlite II w/ 10%	% gel+3% h	KCL, 3#'s /	sk CSE + 2	# sk/kolse	eal + 1/4#'s/sk	Lead		PL II	110.
Cello Flake Fluid Description	· · · · · · · · · · · · · · · · · · ·					Fluid Type	Amount (sacks)	Class	Estimated Top (ftKB)
50/50 poz W/ 2%		CL, .5%EC	1,1/4# sk C	.F. 2% ge	el. 3% SM mixed	Tail		50/50 Poz	3,000.
@ 14.4 ppg W/ 1	.24 YLD					l		<u> </u>	<u> </u>
Tubing Strings Tubing Description						Run Date		Set Depth (ftKB)	
Tubing						<u> </u>	//2013	4,529	
Item De)S	Jts 144	OD (in) 2 7/8	ID (in) 2.441	Wt (lb/ft) 6.50	Grade	Len (ft) 4,508.90	Top (ftKB) 12.0	Btm (ftKB) 4,520.5
Seating Nipple		, , , ,	2 7/8	2.441	0.55	1 00	1.10	4,520.9	4,522.6
Packer			5 1/2	2.441			7.40	4,522.0	4,529.4
Rod Strings							<u> </u>	<u> </u>	·
Rod Description						Run Date		Set Depth (ftKB)	
Item De	s	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Bim (ftKB)
		L							
Perforation Inter	Zone	·	Top (ft	KB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
4 C, Orig			22.80	4,562	4,570	4		1	6/28/2005
3 C, Orig	inal Hole			4,668	4,680	4	1		6/28/2005
_	inal Hole			4,684	4,692	4			6/28/2005
1 '	ginal Hole			4,974	4,980	4			6/28/2005
	ginal Hole			4,983	4,988	4			6/28/2005
	ginal Hole Original Hole			4,994 5,537	5,000 5,547	4	1		6/28/2005 6/28/2005
Stimulations & T				3,537	3,547	<u> </u>	1 120	<u></u>	0/20/2003
Stage#		(psi)	Frac Gradie		Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1		1,400		0.69			1		
2		2,200		0.87			1		
3 4		2,600 2,200		0.99 0.92		2,639 2,253	4		
Proppant		2,200		5.52	25.0		4	l	L
		Vol Pumped	·				dd America		
Stage#		lb)	Proppant E	Bulk sand	39179 lbs	I otal A	dd Amount		
2			Proppant B						
3			Proppant B	Bulk sand	82905 lbs				
4			Proppant E	Bulk sand	28867 lbs				
1									